

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060209.D
 Acq On : 7 Sep 2018 14:39
 Operator : VA/AP
 Sample : VF0907SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Sep 07 15:21:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	158368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	226883	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	239623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	152276	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	4.30	113	114318	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	7.72	98	271448	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.51	95	158769	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	66265	21.950	ug/l	98
3) Chloromethane	1.07	50	32702	20.543	ug/l	100
4) Vinyl Chloride	1.12	62	25266	20.594	ug/l	98
5) Bromomethane	1.32	94	23602	21.474	ug/l	97
6) Chloroethane	1.40	64	17152	21.827	ug/l	95
7) Trichlorofluoromethane	1.49	101	68067	19.894	ug/l	90
8) Diethyl Ether	1.70	74	10696	21.144	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.86	101	35291	21.093	ug/l	95
10) Methyl Iodide	1.93	142	30082	19.959	ug/l	91
11) Tert butyl alcohol	2.70	59	14930	106.940	ug/l #	67
12) 1,1-Dichloroethene	1.83	96	20972	18.425	ug/l #	83
13) Acrolein	2.10	56	8261	135.374	ug/l	91
14) Allyl chloride	2.20	41	32883	19.261	ug/l	94
15) Acrylonitrile	3.08	53	24882	118.296	ug/l	97
16) Acetone	2.34	43	88174	123.124	ug/l	95
17) Carbon Disulfide	1.84	76	69637	20.990	ug/l	99
18) Methyl Acetate	2.46	43	22896	24.491	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	84896	22.543	ug/l	99
20) Methylene Chloride	2.28	84	32459	18.382	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	24329	20.888	ug/l	93
22) Diisopropyl ether	2.93	45	87650	20.487	ug/l	92
23) Vinyl Acetate	3.34	43	201354	124.205	ug/l	97
24) 1,1-Dichloroethane	3.00	63	58705	21.095	ug/l	100
25) 2-Butanone	4.52	43	97325	125.161	ug/l	99
26) 2,2-Dichloropropane	3.76	77	80159	21.939	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	31290	20.583	ug/l	89
28) Bromochloromethane	3.89	49	21866	23.072	ug/l	87
29) Tetrahydrofuran	4.27	42	32116	124.932	ug/l	95
30) Chloroform	4.05	83	83282	20.428	ug/l	99
31) Cyclohexane	3.86	56	39479	20.737	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	85791	21.124	ug/l	94
36) 1,1-Dichloropropene	4.46	75	52530	19.671	ug/l	92
37) Ethyl Acetate	4.30	43	35522	24.900	ug/l #	71
38) Carbon Tetrachloride	4.17	117	75484	20.561	ug/l	92

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Quant Time: Sep 07 15:21:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	44128	19.726	ug/l	90
40) Benzene	4.82	78	99754	20.967	ug/l	92
41) Methacrylonitrile	4.94	41	16349	23.537	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	72913	21.205	ug/l	98
43) Isopropyl Acetate	7.12	43	36722	23.642	ug/l #	97
44) Trichloroethene	5.68	130	39237	20.362	ug/l	95
45) 1,2-Dichloropropane	6.41	63	28921	21.387	ug/l	97
46) Dibromomethane	6.26	93	26341	22.123	ug/l	91
47) Bromodichloromethane	6.55	83	67148	20.777	ug/l #	96
48) Methyl methacrylate	6.88	41	27521	22.305	ug/l	98
49) 1,4-Dioxane	6.92	88	2175	119.968	ug/l #	68
51) 4-Methyl-2-Pentanone	8.41	43	169340	122.707	ug/l	97
52) Toluene	7.79	92	71871	19.506	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	63091	23.233	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	60190	21.351	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	28400	20.956	ug/l	95
56) Ethyl methacrylate	8.77	69	37927	24.481	ug/l	88
57) 1,3-Dichloropropane	9.01	76	53356	22.144	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.79	63	15763	94.611	ug/l	100
59) 2-Hexanone	9.64	43	135624	130.840	ug/l	99
60) Dibromochloromethane	8.87	129	42989	19.152	ug/l	100
61) 1,2-Dibromoethane	9.14	107	36425	22.409	ug/l	88
64) Tetrachloroethene	8.31	164	49361	17.403	ug/l	95
65) Chlorobenzene	9.94	112	105775	21.327	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	44605	20.291	ug/l	96
67) Ethyl Benzene	10.04	91	193290	20.889	ug/l	99
68) m/p-Xylenes	10.27	106	133698	43.064	ug/l	97
69) o-Xylene	10.83	106	71678	21.644	ug/l	93
70) Styrene	10.90	104	111787	22.269	ug/l	98
71) Bromoform	10.89	173	26597	20.957	ug/l #	96
73) Isopropylbenzene	11.23	105	224555	20.561	ug/l	100
74) N-amyl acetate	11.46	43	49859	25.525	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	39826	24.250	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	37864	21.756	ug/l	91
77) Bromobenzene	11.60	156	55851	19.528	ug/l	85
78) n-propylbenzene	11.69	91	269849	20.620	ug/l	95
79) 2-Chlorotoluene	11.82	91	162280	20.525	ug/l	94
80) 1,3,5-Trimethylbenzene	11.92	105	197665	20.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	5701	15.854	ug/l	99
82) 4-Chlorotoluene	11.99	91	175272	19.976	ug/l	93
83) tert-Butylbenzene	12.22	119	176804	20.125	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	210733	21.516	ug/l	96
85) sec-Butylbenzene	12.39	105	258242	21.309	ug/l	100
86) p-Isopropyltoluene	12.54	119	230239	21.394	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	112320	21.492	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	108882	21.051	ug/l	95
89) n-Butylbenzene	12.92	91	227650	21.872	ug/l	97
90) Hexachloroethane	13.00	117	43063	19.739	ug/l	84
91) 1,2-Dichlorobenzene	13.02	146	110126	22.194	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9546	22.779	ug/l	78

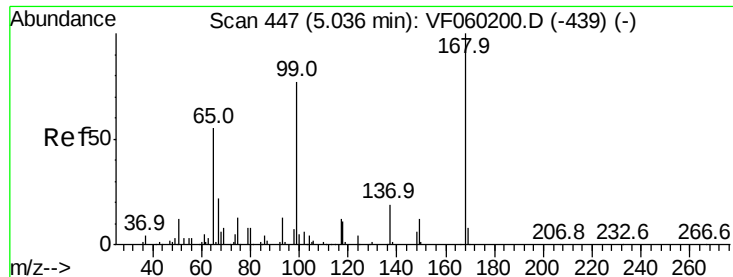
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090718\
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Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	85696	22.346	ug/l	95
94) Hexachlorobutadiene	14.25	225	57063	20.878	ug/l	98
95) Naphthalene	14.53	128	122014	21.925	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	80645	22.405	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

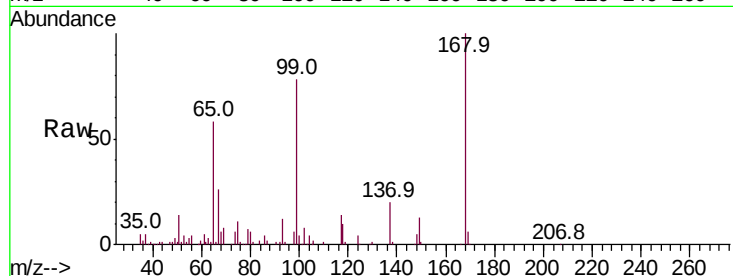
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 158368

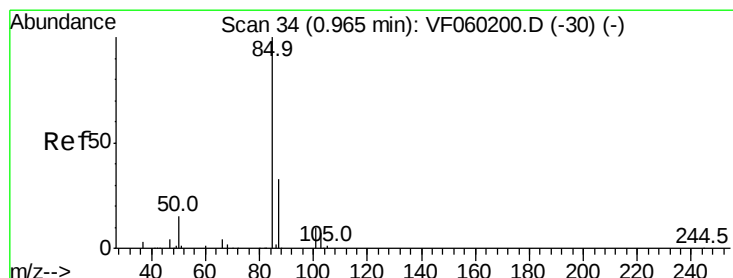
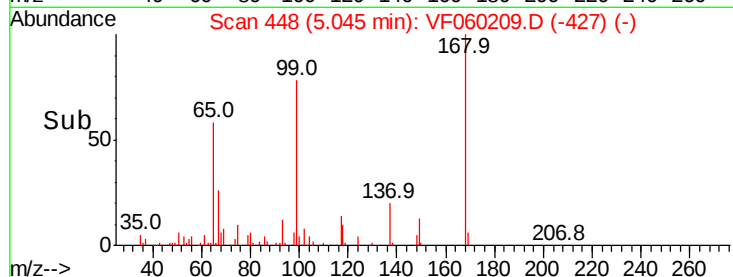
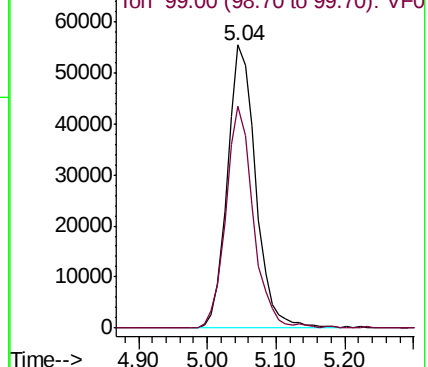
Ion Ratio Lower Upper

168 100

99 78.2 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): V



#2

Dichlorodifluoromethane

Concen: 21.950 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF060209.D

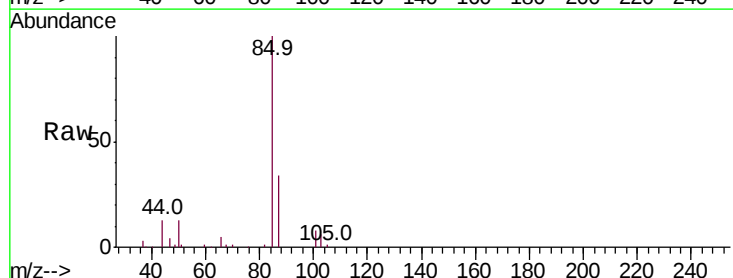
Acq: 7 Sep 2018 14:39

Tgt Ion: 85 Resp: 66265

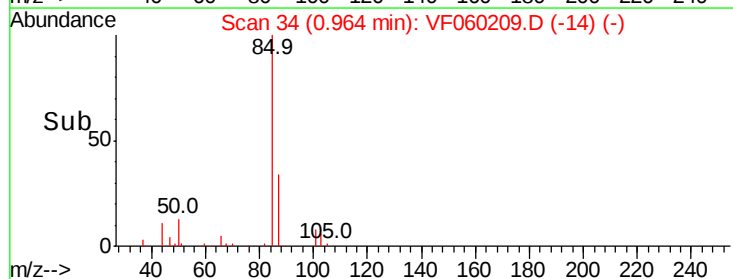
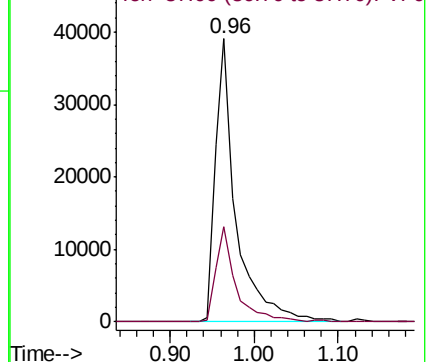
Ion Ratio Lower Upper

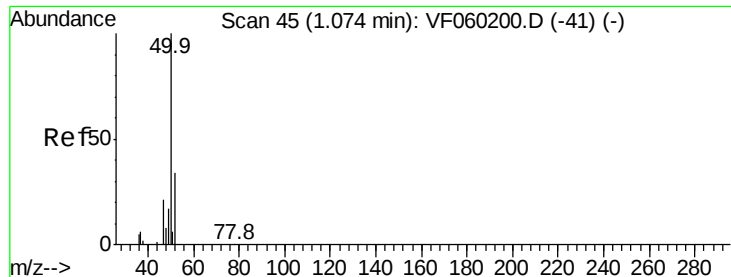
85 100

87 33.6 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 20.543 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

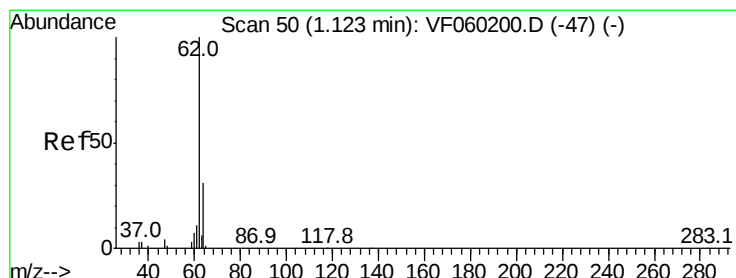
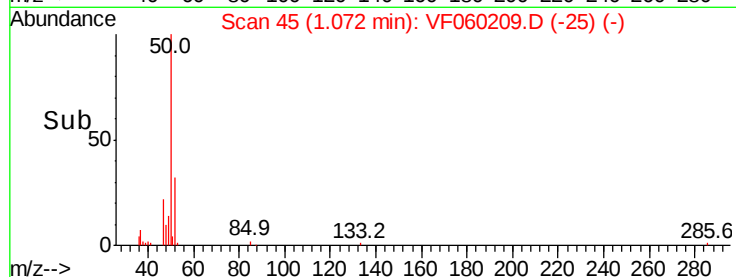
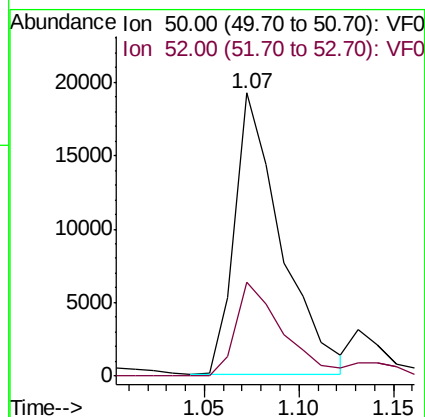
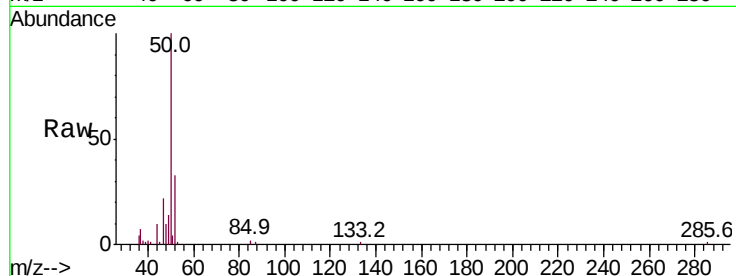
ClientSampleId :

Tot Ion: 50 Resp: 32702

Ion Ratio Lower Upper

50 100

52 33.7 26.9 40.3



#4

Vinyl Chloride

Concen: 20.594 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060209.D

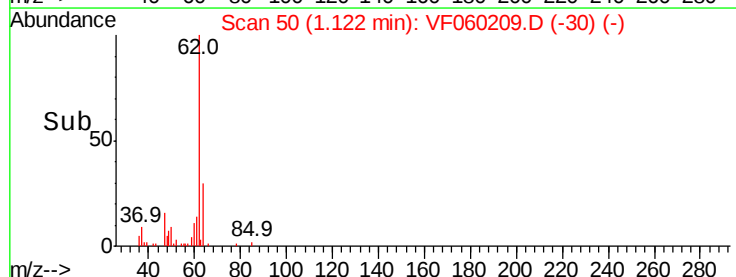
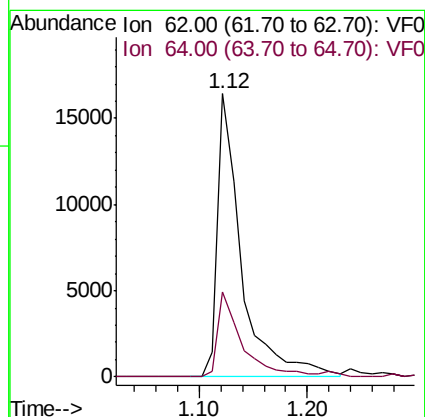
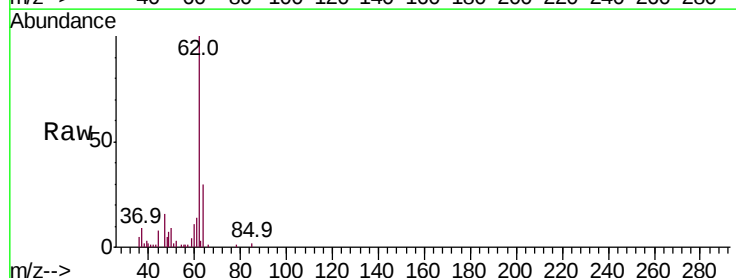
Acq: 7 Sep 2018 14:39

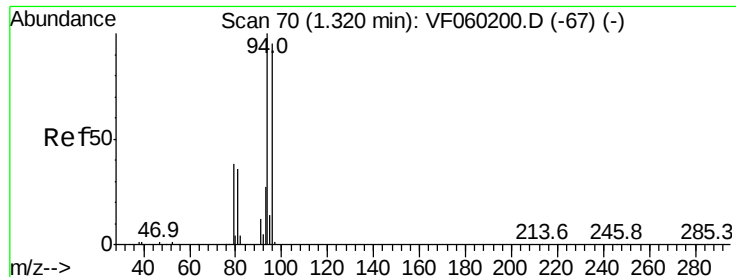
Tgt Ion: 62 Resp: 25266

Ion Ratio Lower Upper

62 100

64 30.0 24.8 37.2





#5

Bromomethane

Concen: 21.474 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

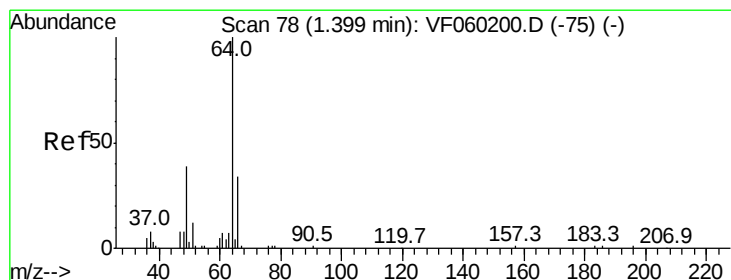
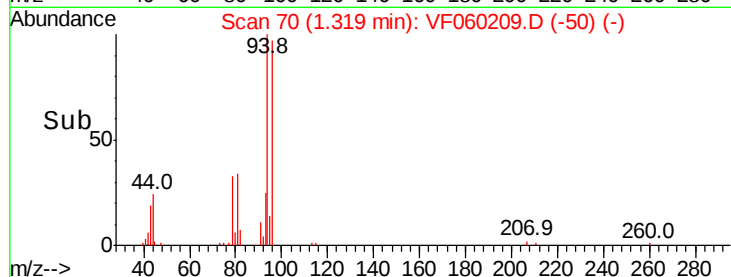
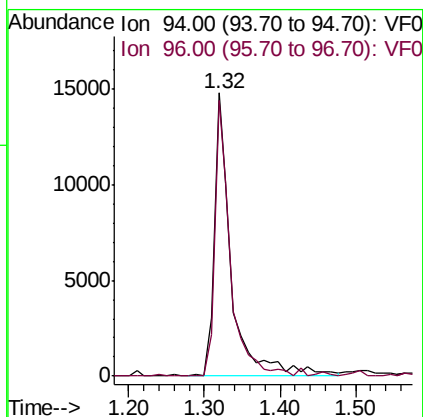
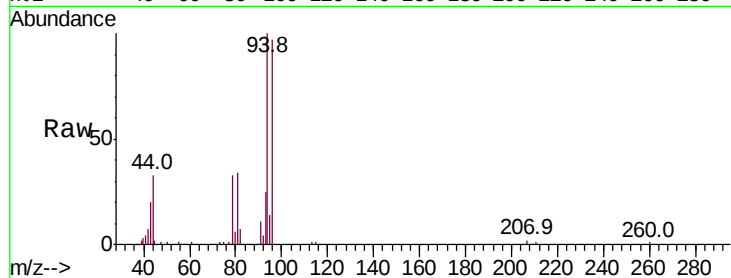
ClientSampleId :

Tot Ion: 94 Resp: 23602

Ion Ratio Lower Upper

94 100

96 97.3 75.8 113.6



#6

Chloroethane

Concen: 21.827 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF060209.D

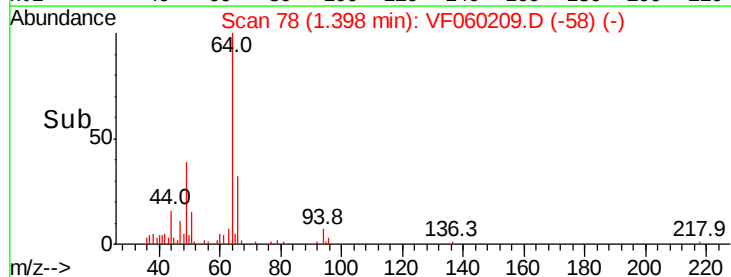
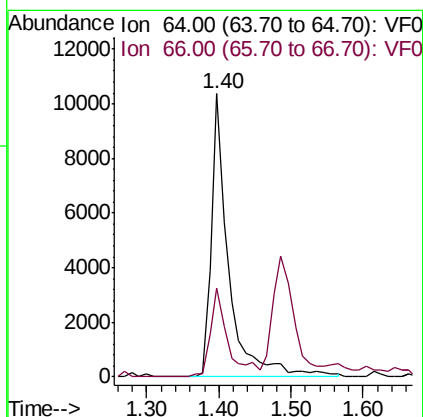
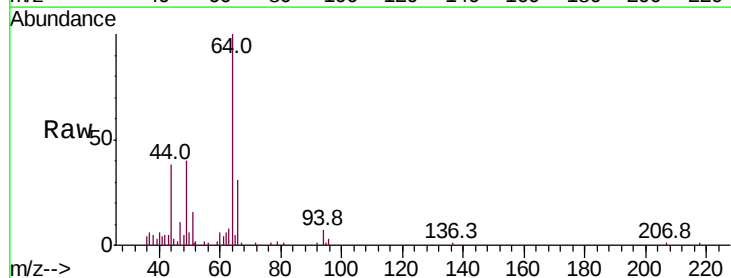
Acq: 7 Sep 2018 14:39

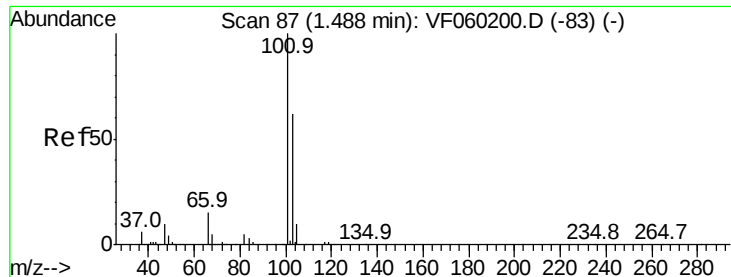
Tgt Ion: 64 Resp: 17152

Ion Ratio Lower Upper

64 100

66 31.3 27.1 40.7



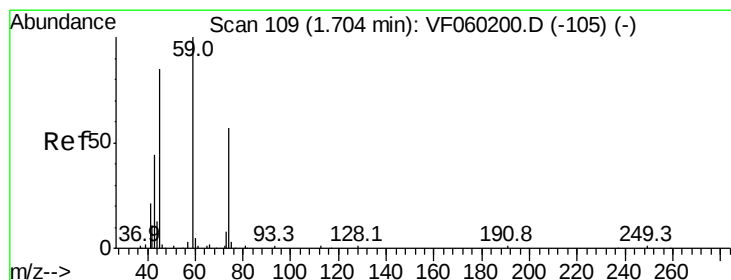
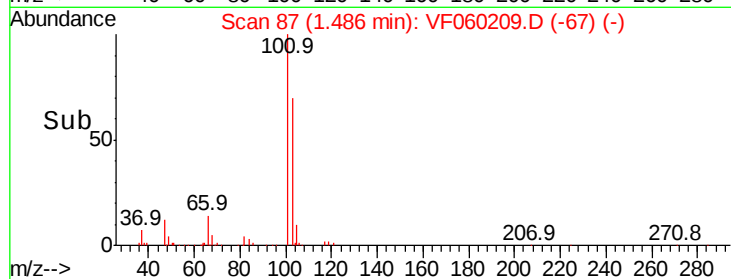
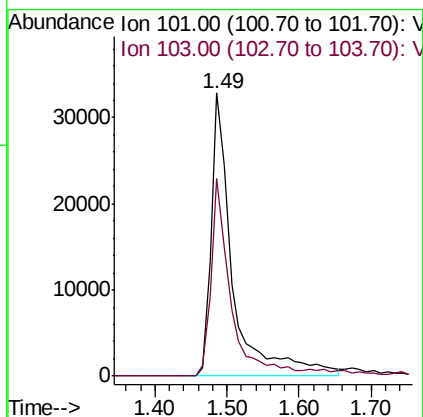
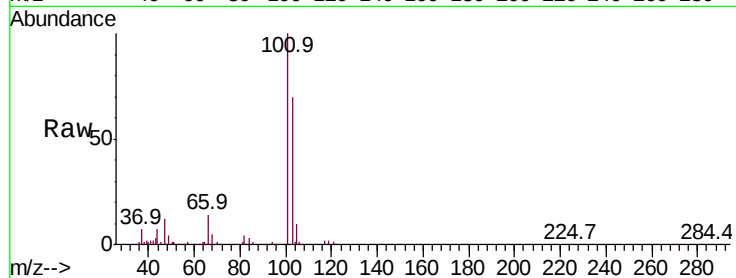


#7

Trichlorofluoromethane
 Concen: 19.894 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
 MSVOA_F
 ClientSampleId :

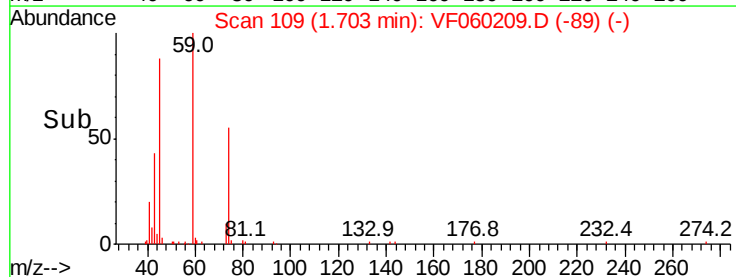
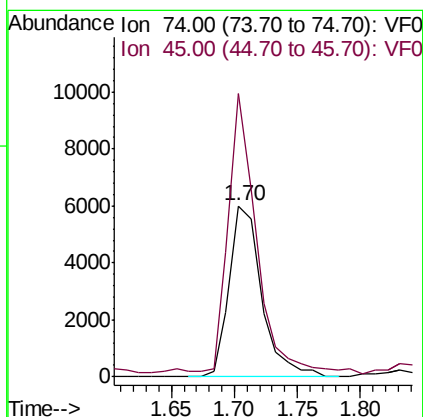
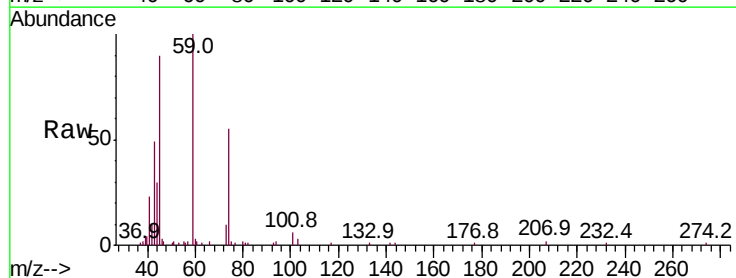
Tot Ion:101 Resp: 68067
 Ion Ratio Lower Upper
 101 100
 103 69.7 49.5 74.3

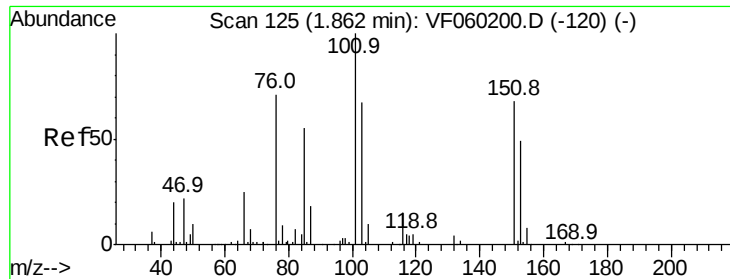


#8

Diethyl Ether
 Concen: 21.144 ug/l
 RT: 1.70 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion: 74 Resp: 10696
 Ion Ratio Lower Upper
 74 100
 45 165.2 75.3 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.093 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

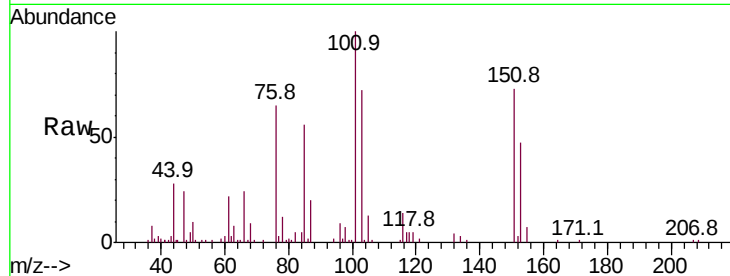
Tot Ion:101 Resp: 35291

Ion Ratio Lower Upper

101 100

85 55.9 43.0 64.4

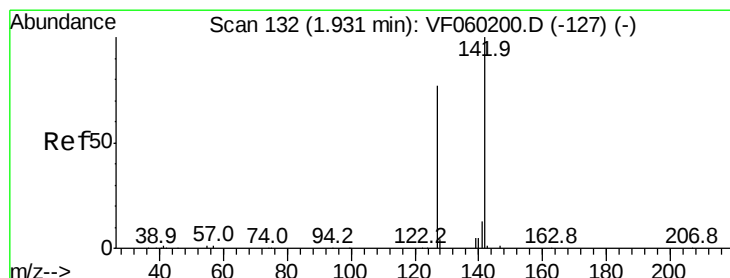
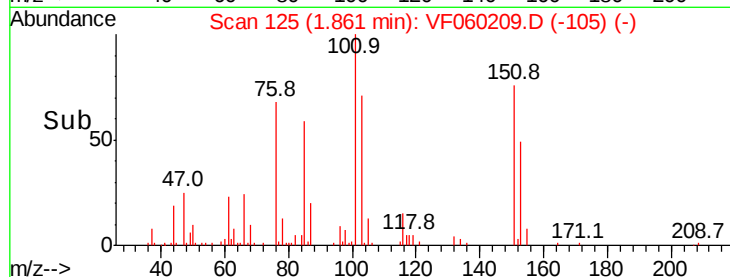
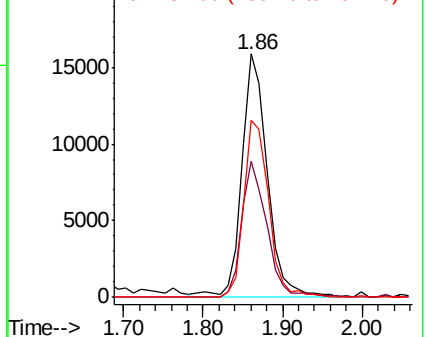
151 72.8 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 19.959 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

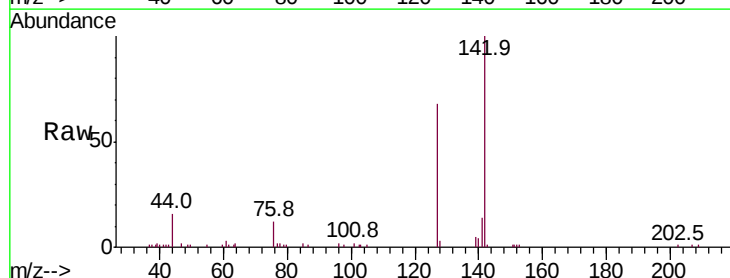
Tgt Ion:142 Resp: 30082

Ion Ratio Lower Upper

142 100

127 67.3 61.1 91.7

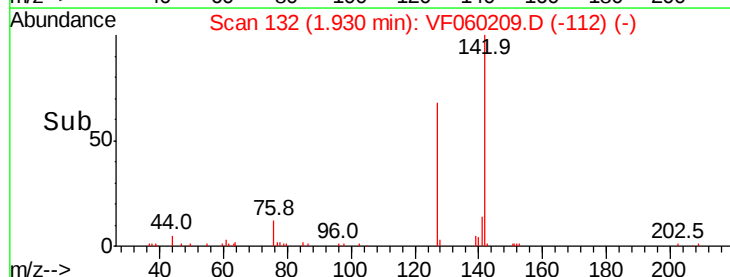
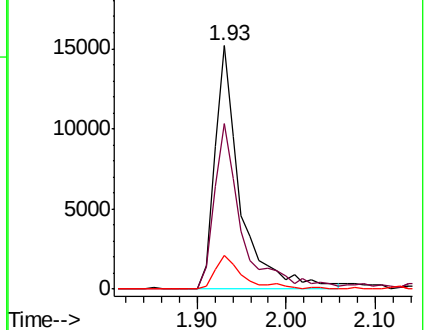
141 14.0 10.6 15.8

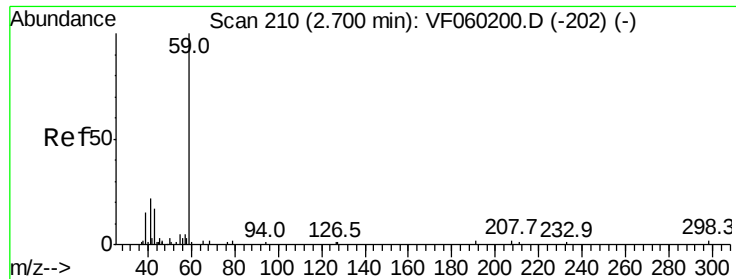


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

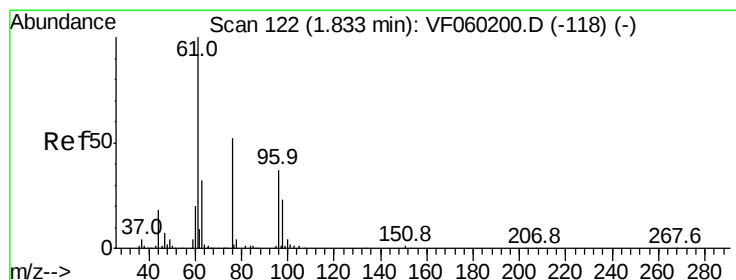
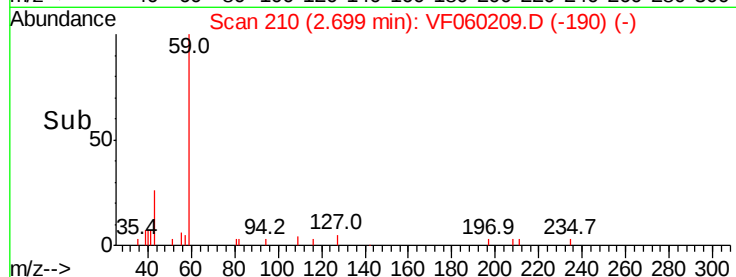
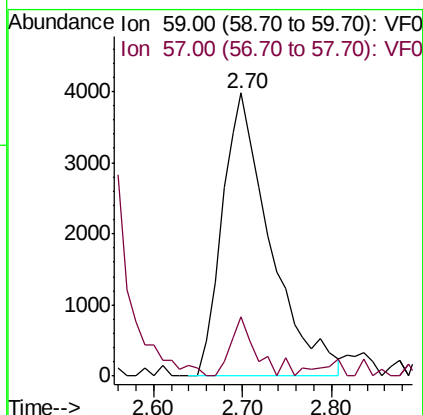
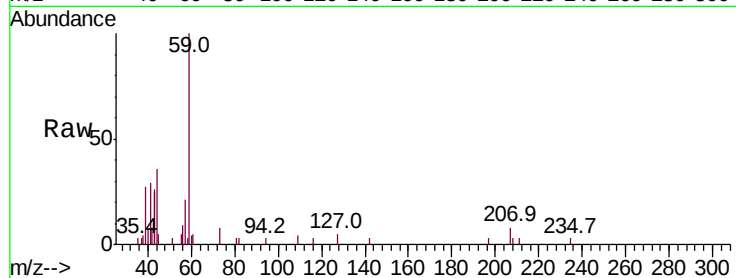




#11
Tert butyl alcohol
Concen: 106.940 ug/l
RT: 2.70 min Scan# 210
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

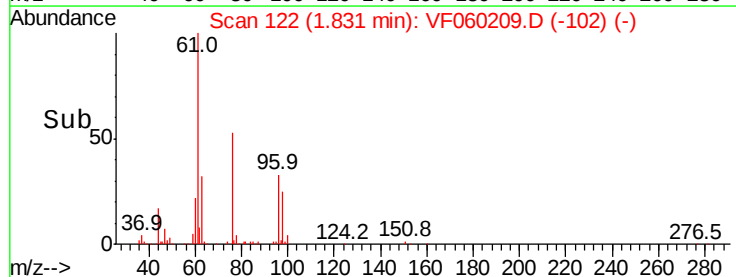
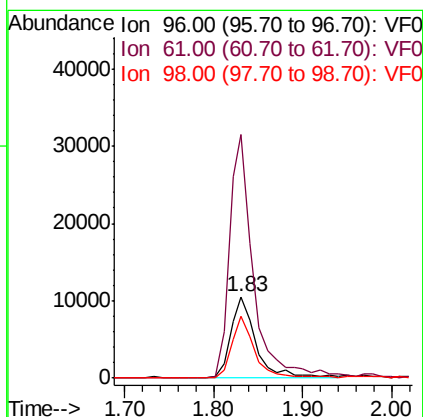
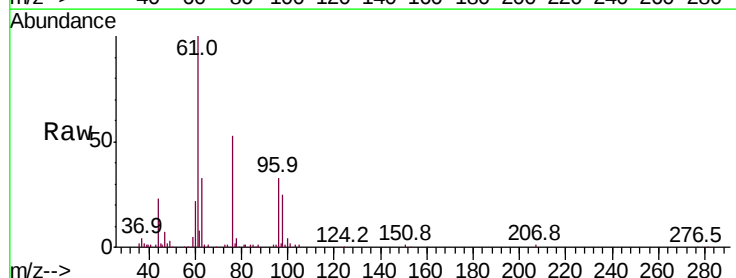
Instrument :
MSVOA_F
ClientSampleId :

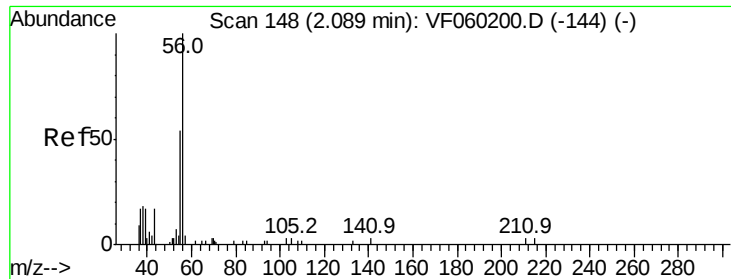
Tot Ion: 59 Resp: 14930
Ion Ratio Lower Upper
59 100
57 21.1 7.2 10.8#



#12
1,1-Dichloroethene
Concen: 18.425 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 96 Resp: 20972
Ion Ratio Lower Upper
96 100
61 300.1 214.6 321.8
98 76.4 50.7 76.1#

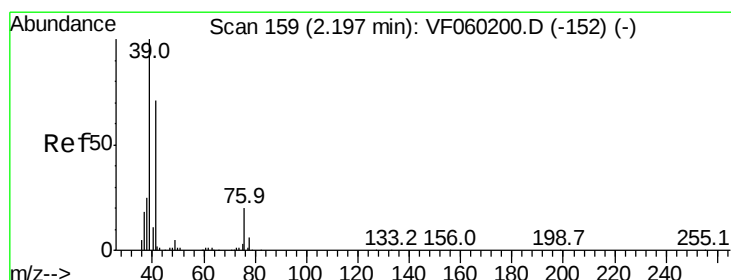
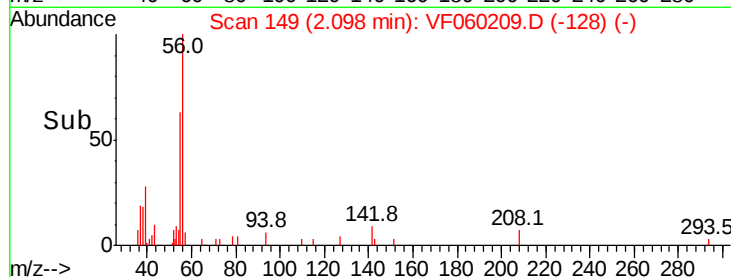
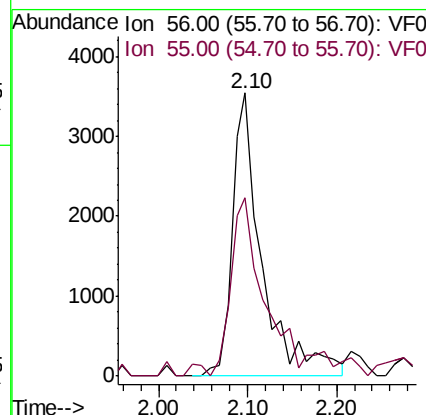
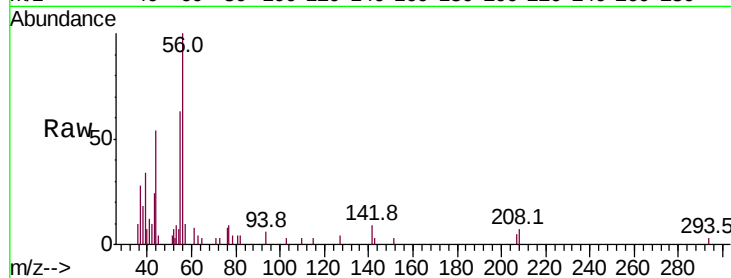




#13
Acrolein
Concen: 135.374 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

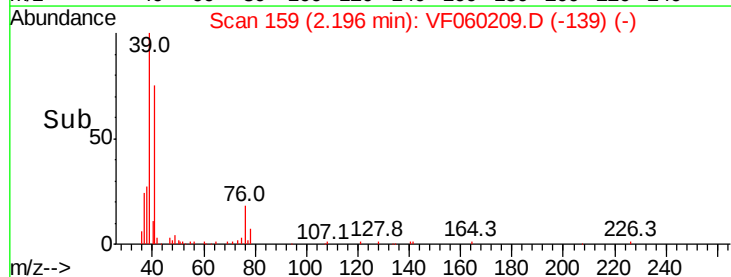
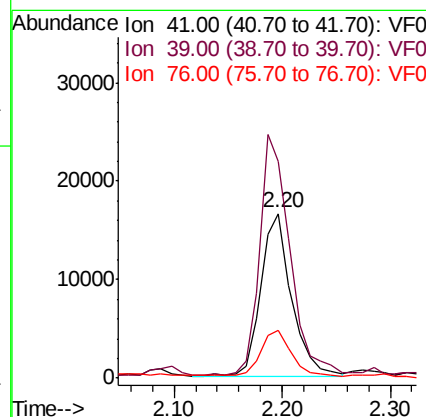
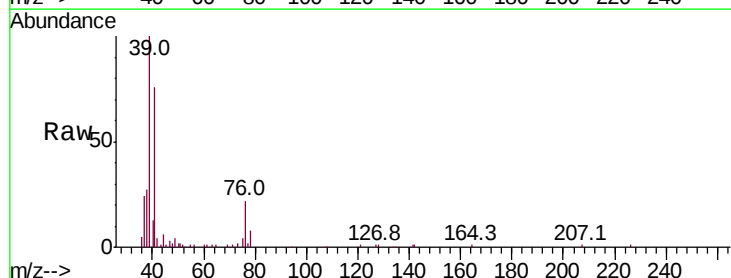
Instrument :
MSVOA_F
ClientSampleId :

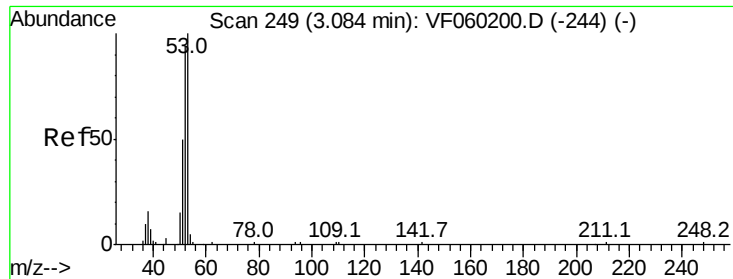
Tot Ion: 56 Resp: 8261
Ion Ratio Lower Upper
56 100
55 63.2 45.1 67.7



#14
Allyl chloride
Concen: 19.261 ug/l
RT: 2.20 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 41 Resp: 32883
Ion Ratio Lower Upper
41 100
39 131.6 112.2 168.2
76 28.8 23.2 34.8





#15

Acrylonitrile

Concen: 118.296 ug/l

RT: 3.08 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampled :

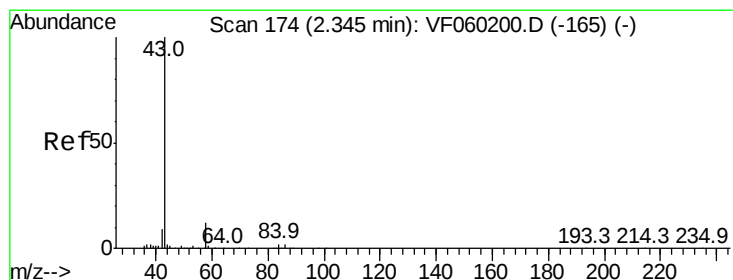
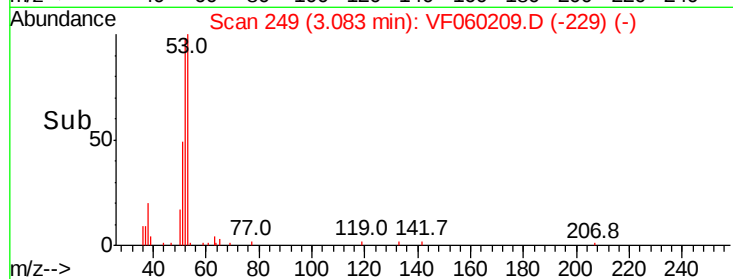
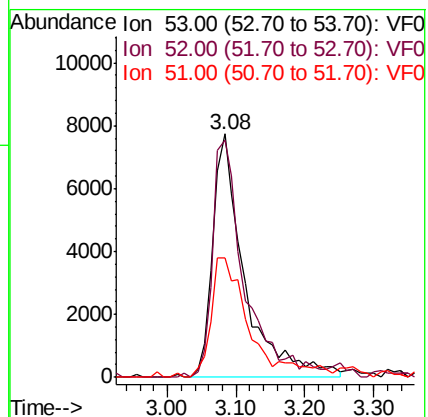
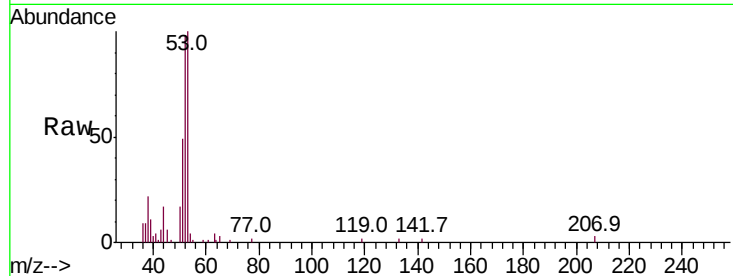
Tot Ion: 53 Resp: 24882

Ion Ratio Lower Upper

53 100

52 97.6 75.0 112.6

51 48.9 39.9 59.9



#16

Acetone

Concen: 123.124 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF060209.D

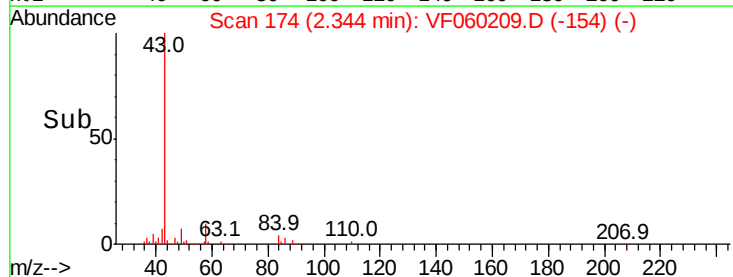
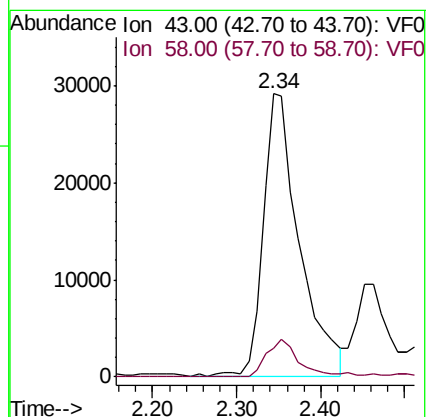
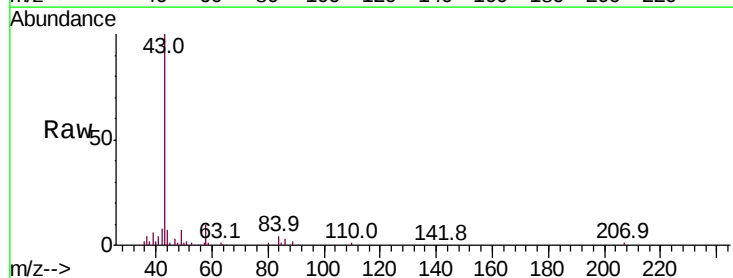
Acq: 7 Sep 2018 14:39

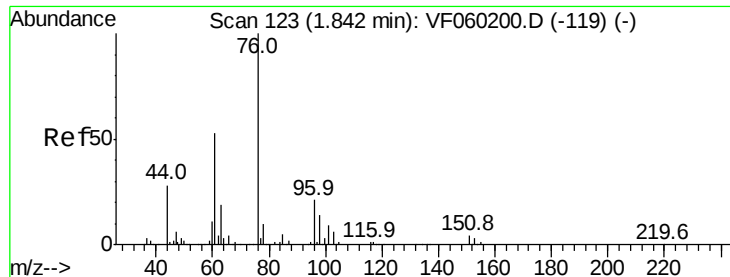
Tgt Ion: 43 Resp: 88174

Ion Ratio Lower Upper

43 100

58 10.2 9.7 14.5





#17

Carbon Disulfide

Concen: 20.990 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

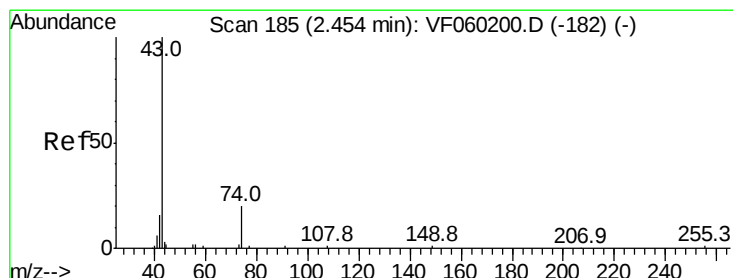
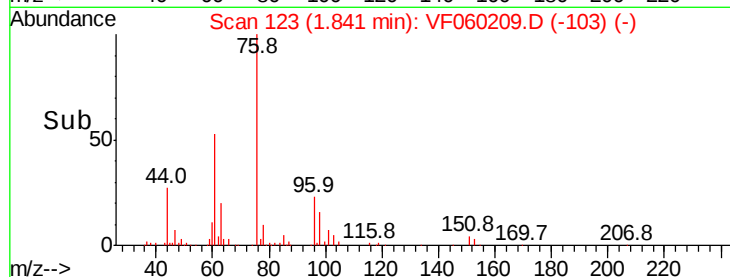
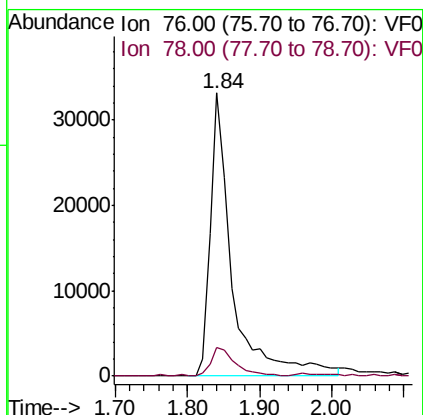
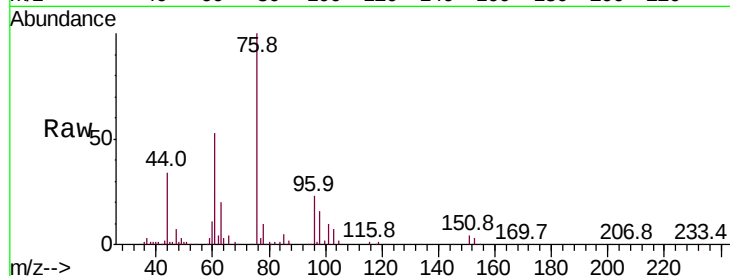
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 69637

Ion Ratio Lower Upper

76 100

78 10.1 8.5 12.7



#18

Methyl Acetate

Concen: 24.491 ug/l

RT: 2.46 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF060209.D

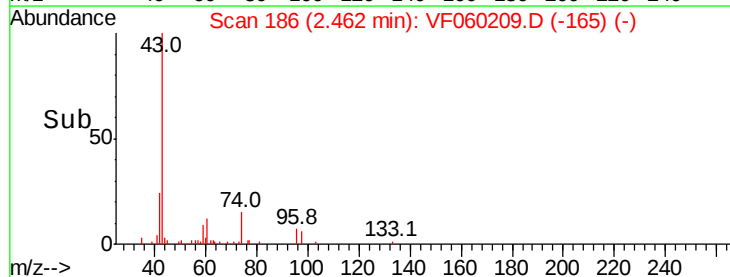
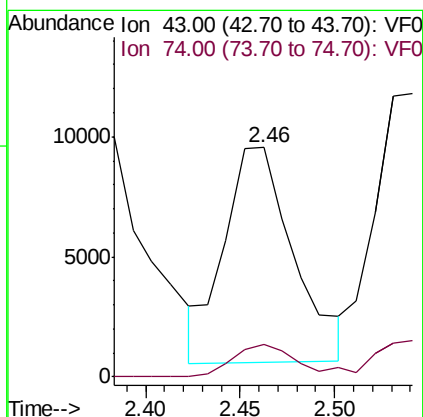
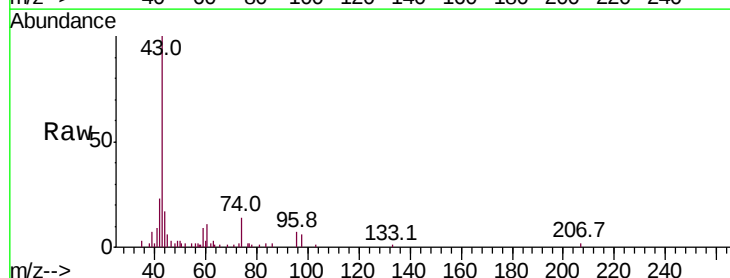
Acq: 7 Sep 2018 14:39

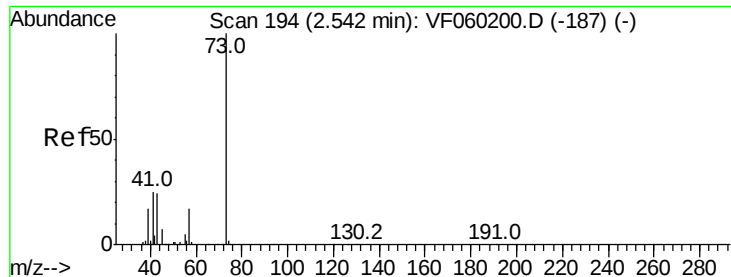
Tgt Ion: 43 Resp: 22896

Ion Ratio Lower Upper

43 100

74 14.2 11.9 17.9



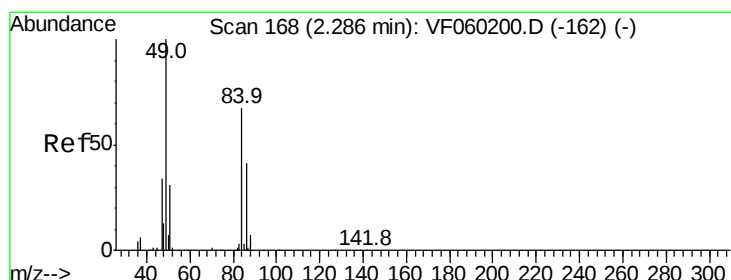
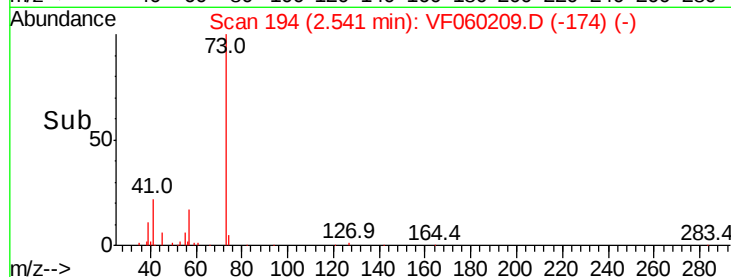
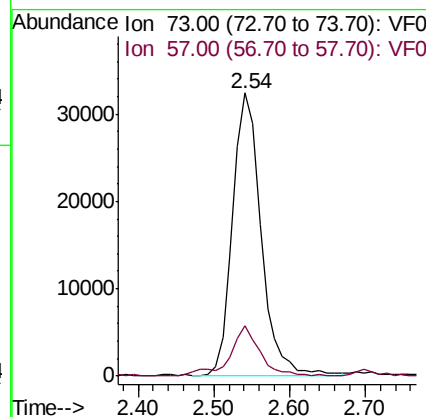
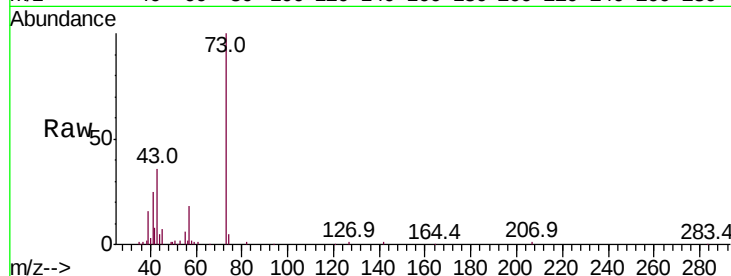


#19

Methyl tert-butyl Ether
 Concen: 22.543 ug/l
 RT: 2.54 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
 MSVOA_F
 ClientSampleId :

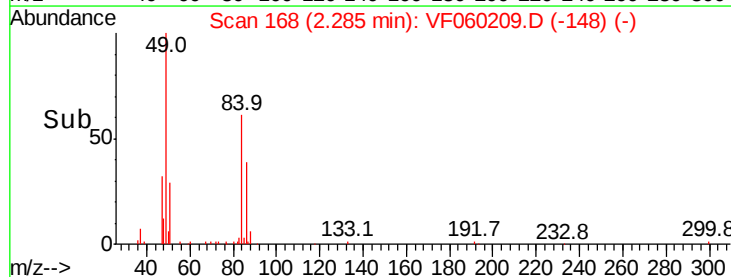
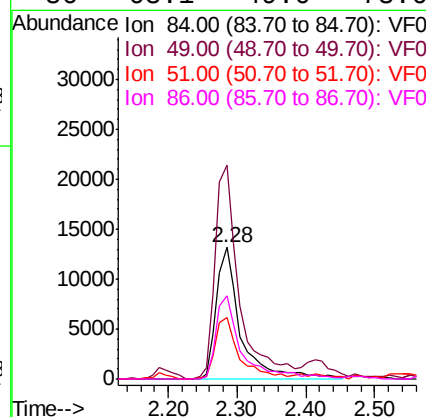
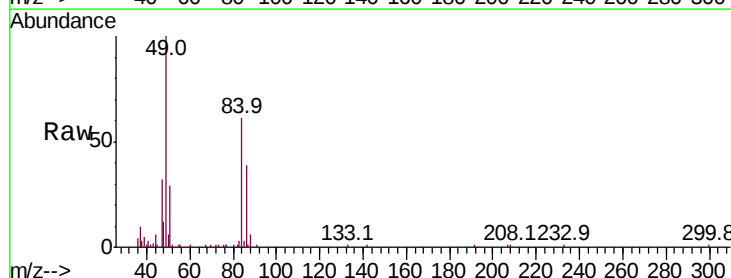
Tot Ion: 73 Resp: 84896
 Ion Ratio Lower Upper
 73 100
 57 17.6 14.3 21.5

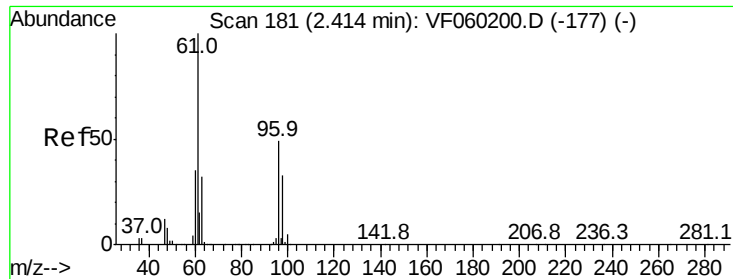


#20

Methylene Chloride
 Concen: 18.382 ug/l
 RT: 2.28 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion: 84 Resp: 32459
 Ion Ratio Lower Upper
 84 100
 49 162.7 120.1 180.1
 51 46.9 37.0 55.6
 86 63.1 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 20.888 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampled :

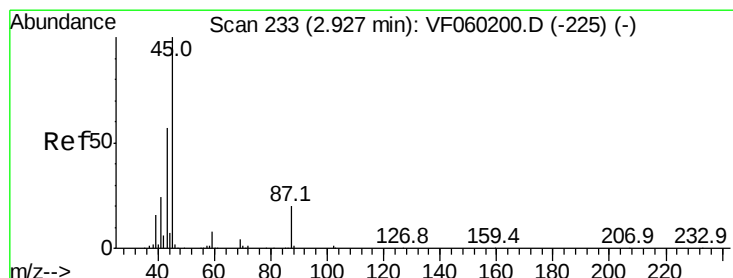
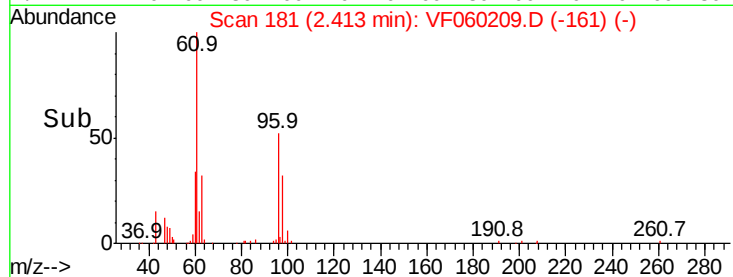
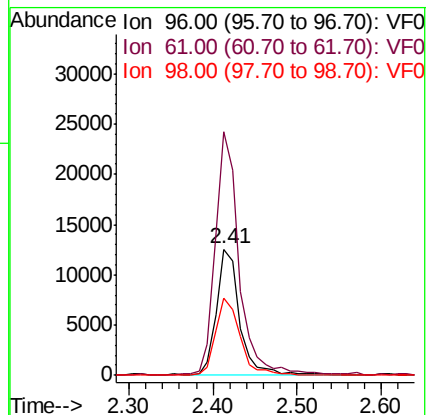
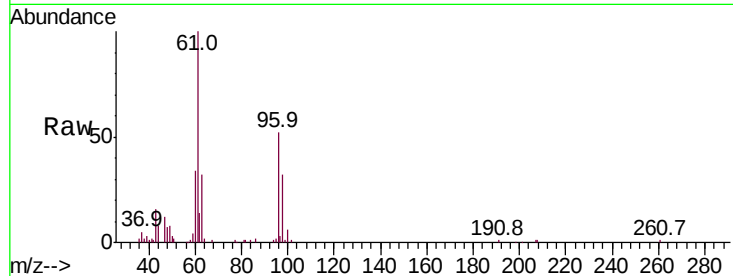
Tot Ion: 96 Resp: 24329

Ion Ratio Lower Upper

96 100

61 193.1 163.1 244.7

98 63.1 54.1 81.1



#22

Diisopropyl ether

Concen: 20.487 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion: 45 Resp: 87650

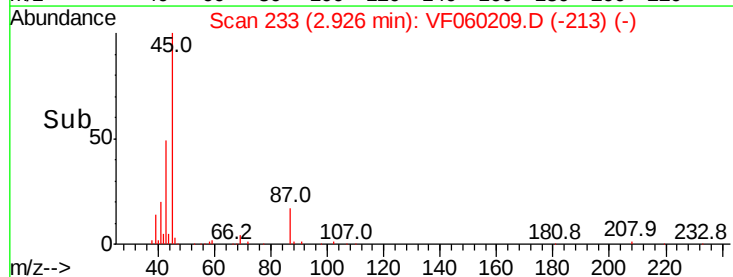
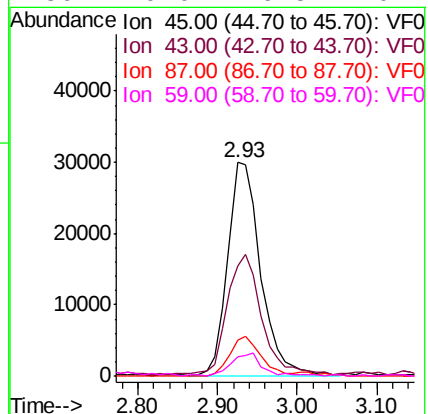
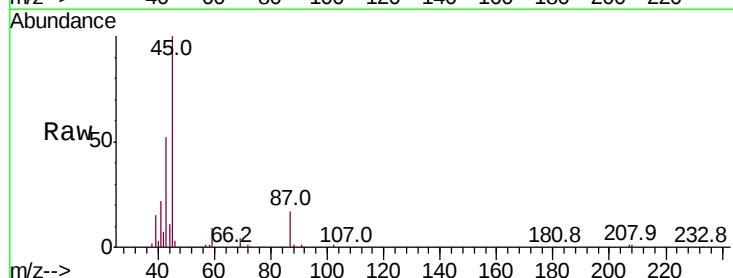
Ion Ratio Lower Upper

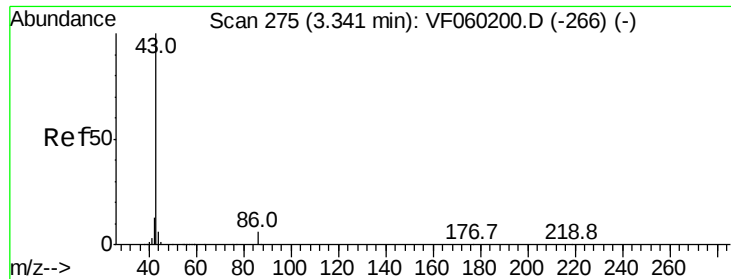
45 100

43 51.6 46.2 69.4

87 16.6 16.1 24.1

59 9.0 6.5 9.7

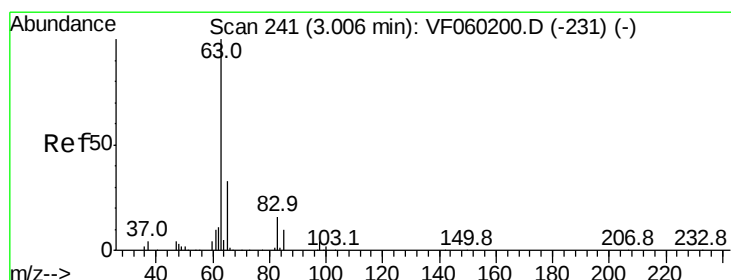
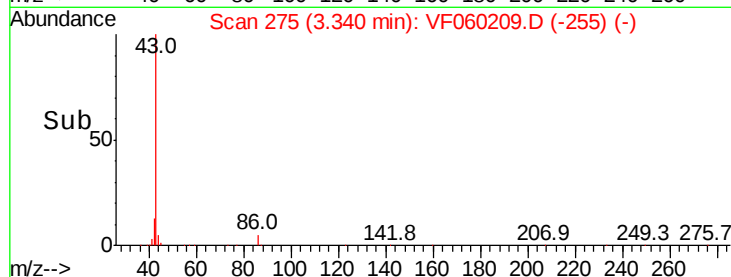
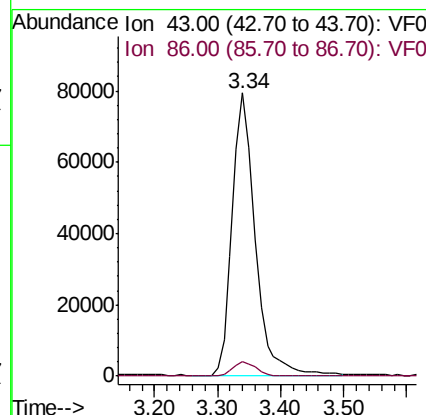
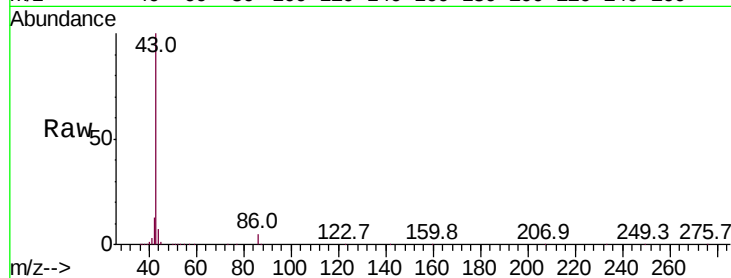




#23
 Vinyl Acetate
 Concen: 124.205 ug/l
 RT: 3.34 min Scan# 275
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

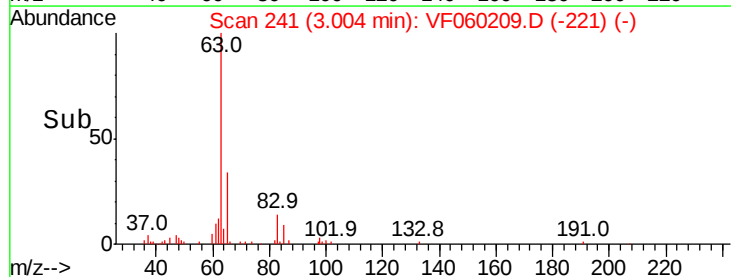
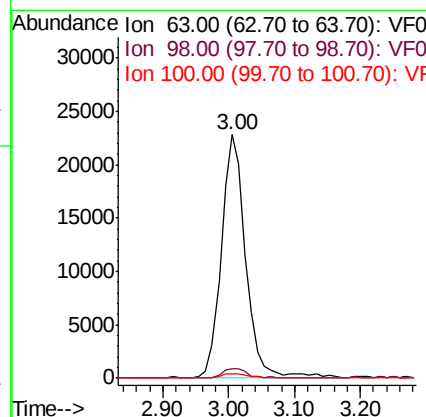
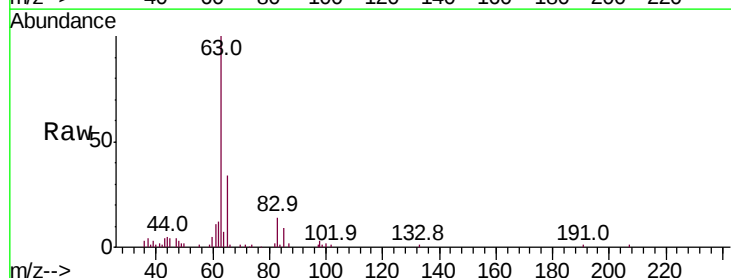
Instrument :
 MSVOA_F
 ClientSampleId :

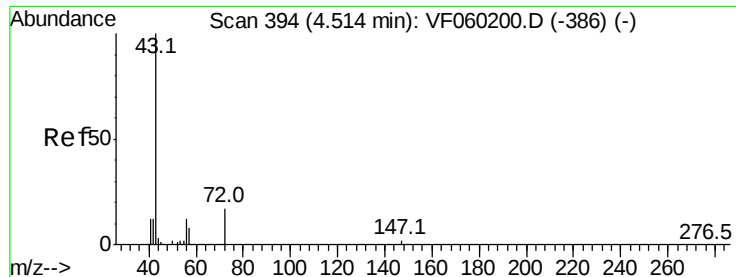
Tot Ion: 43 Resp: 201354
 Ion Ratio Lower Upper
 43 100
 86 5.1 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 21.095 ug/l
 RT: 3.00 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion: 63 Resp: 58705
 Ion Ratio Lower Upper
 63 100
 98 3.8 1.9 5.7
 100 1.8 1.1 3.1





#25

2-Butanone

Concen: 125.161 ug/l

RT: 4.52 min Scan# 395

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

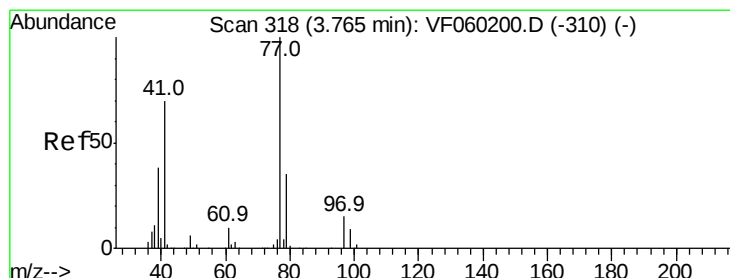
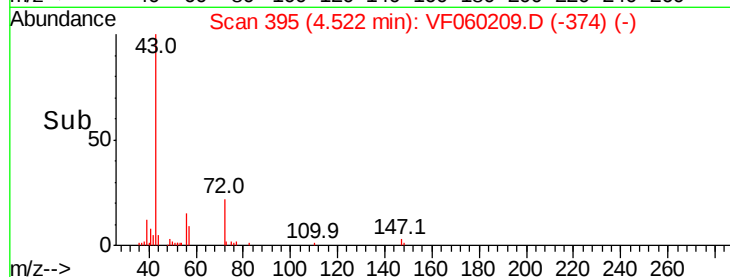
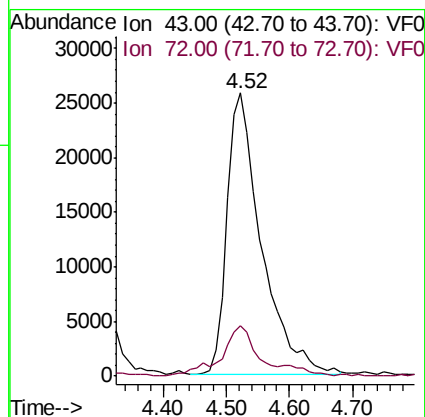
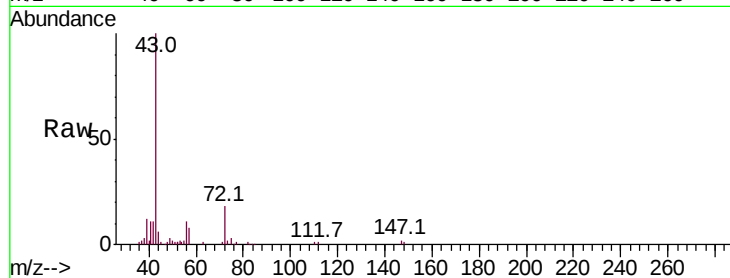
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 97325

Ion Ratio Lower Upper

43 100

72 17.9 14.8 22.2



#26

2,2-Dichloropropane

Concen: 21.939 ug/l

RT: 3.76 min Scan# 318

Delta R.T. -0.00 min

Lab File: VF060209.D

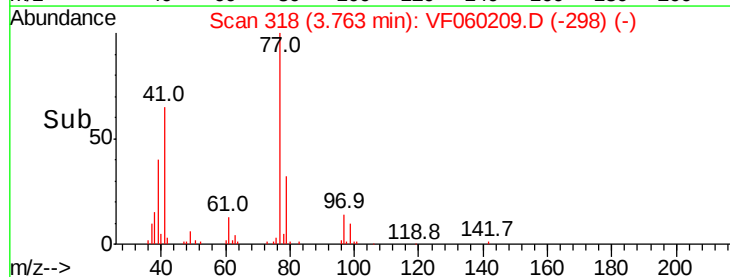
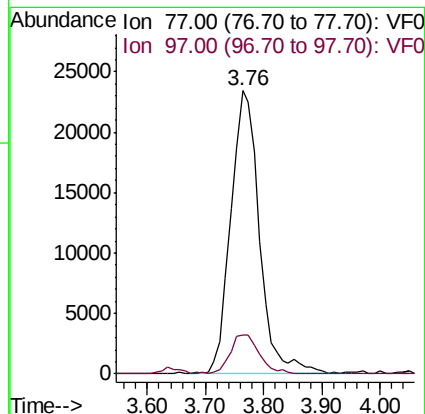
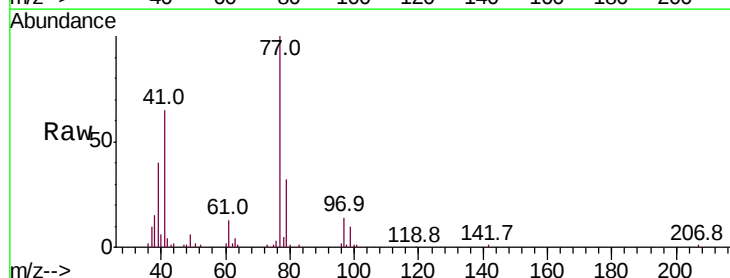
Acq: 7 Sep 2018 14:39

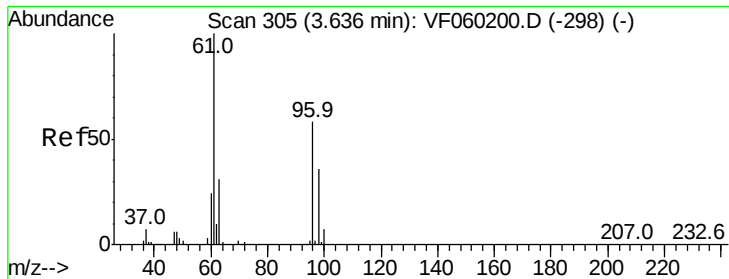
Tgt Ion: 77 Resp: 80159

Ion Ratio Lower Upper

77 100

97 15.0 7.5 22.5



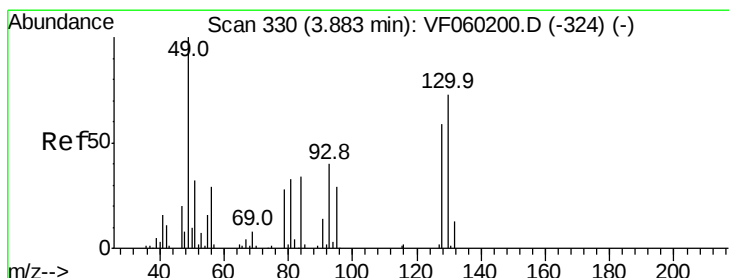
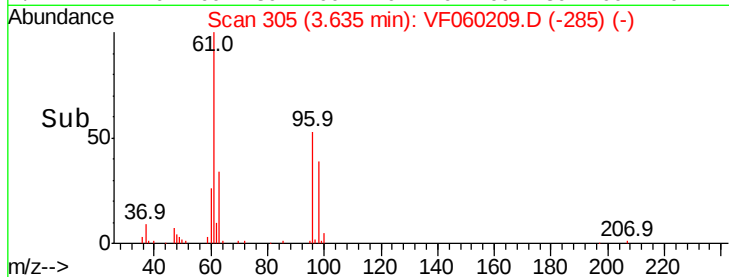
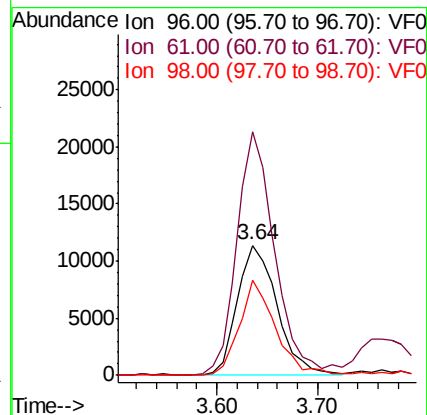
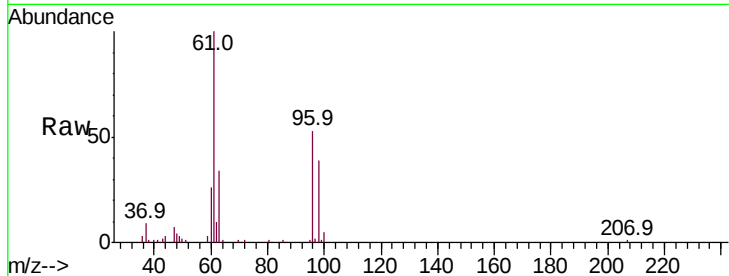


#27

cis-1,2-Dichloroethene
Concen: 20.583 ug/l
RT: 3.64 min Scan# 305
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :

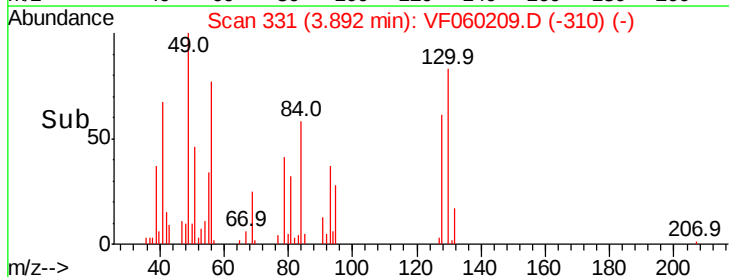
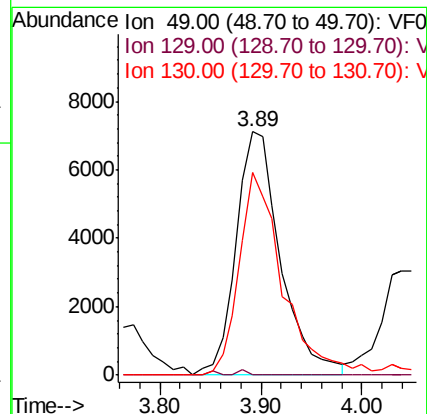
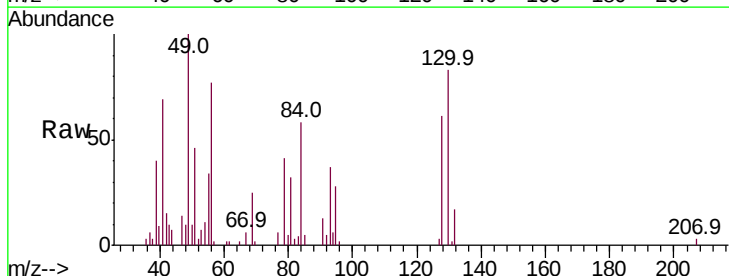
Tot Ion: 96 Resp: 31290
Ion Ratio Lower Upper
96 100
61 187.2 0.0 345.2
98 72.8 0.0 124.6

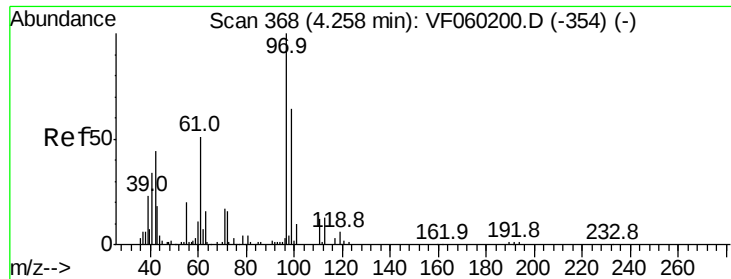


#28

Bromochloromethane
Concen: 23.072 ug/l
RT: 3.89 min Scan# 331
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 49 Resp: 21866
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 83.3 57.8 86.6

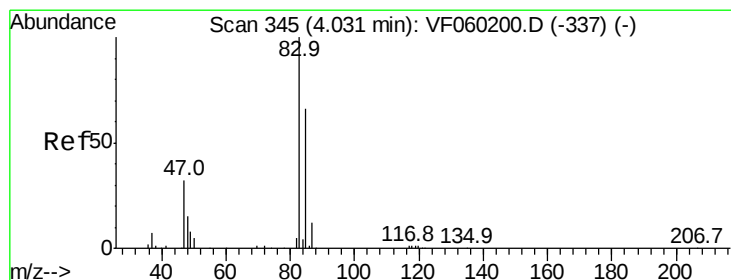
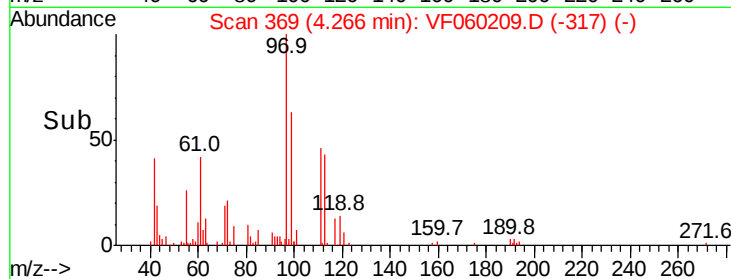
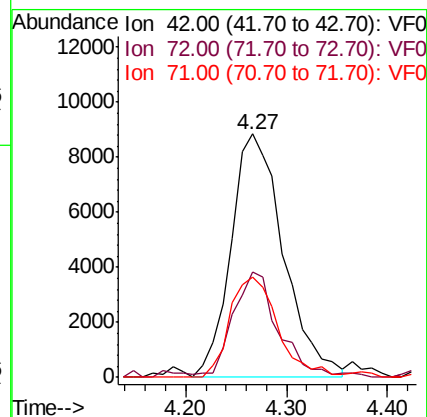
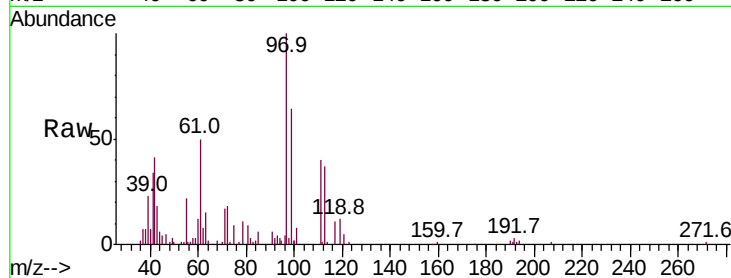




#29
Tetrahydrofuran
Concen: 124.932 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

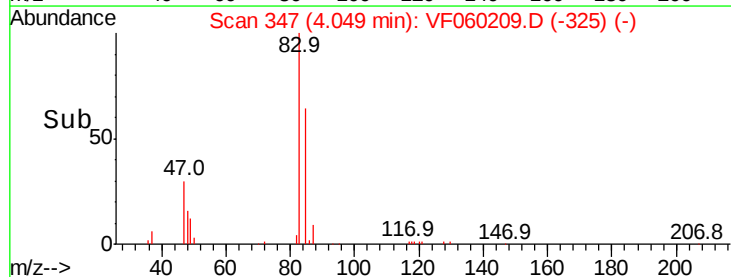
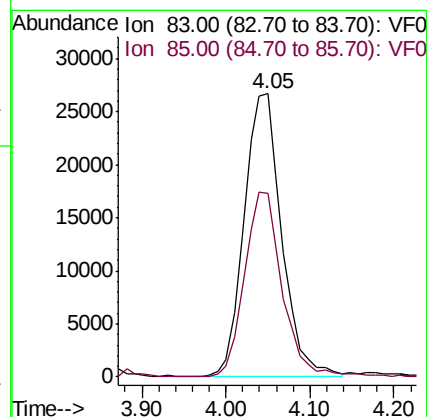
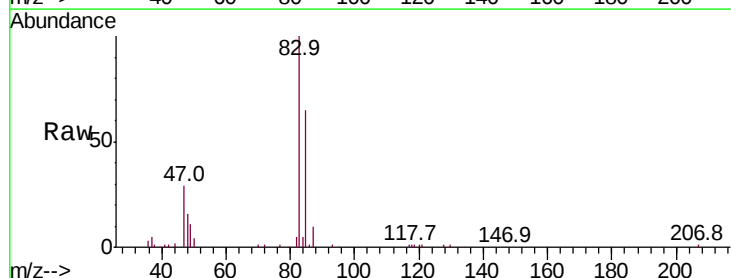
Instrument :
MSVOA_F
ClientSampled :

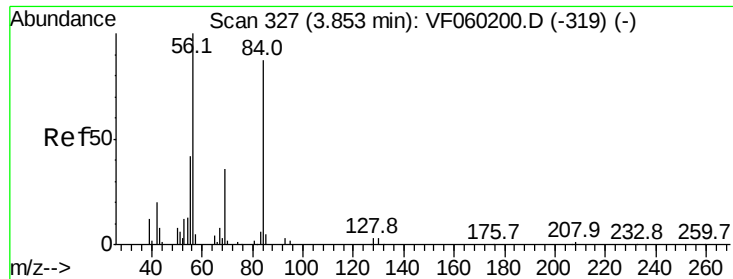
Tot Ion: 42 Resp: 32116
Ion Ratio Lower Upper
42 100
72 37.5 27.4 41.0
71 37.7 28.5 42.7



#30
Chloroform
Concen: 20.428 ug/l
RT: 4.05 min Scan# 347
Delta R.T. 0.02 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 83 Resp: 83282
Ion Ratio Lower Upper
83 100
85 64.8 52.6 79.0

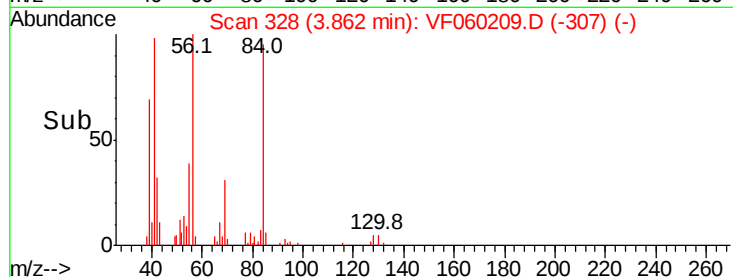
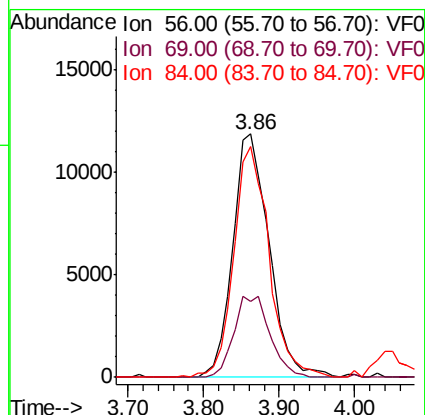
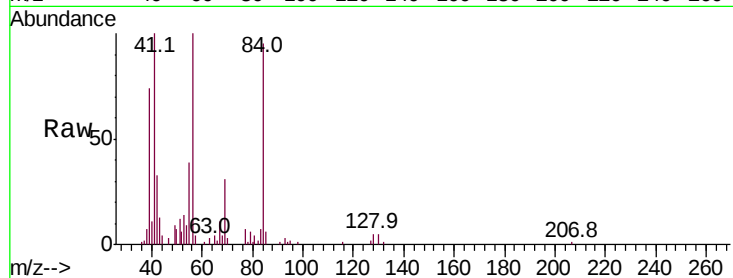




#31
Cyclohexane
Concen: 20.737 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

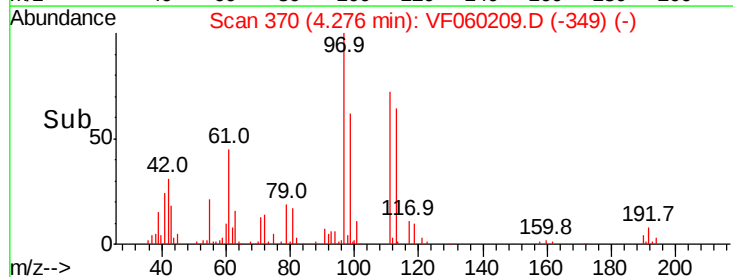
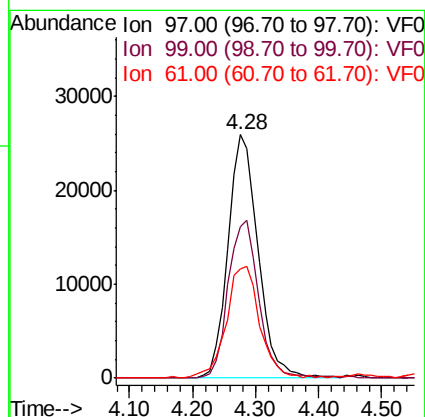
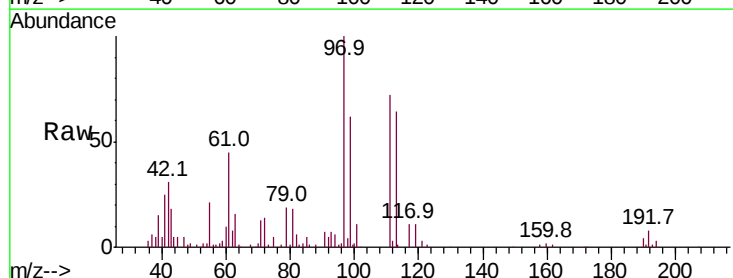
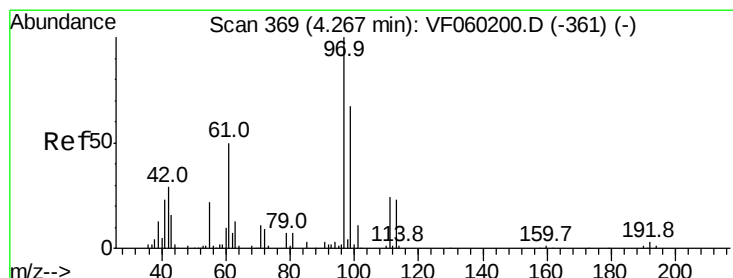
Instrument :
MSVOA_F
ClientSampleId :

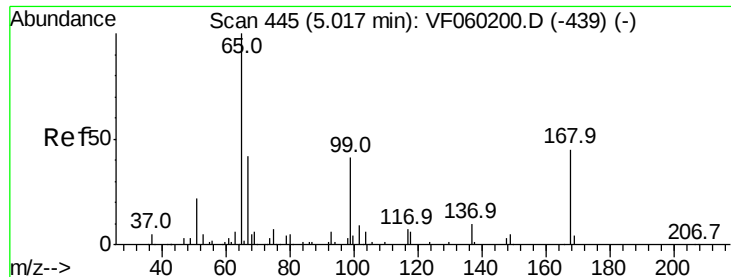
Tot Ion: 56 Resp: 39479
Ion Ratio Lower Upper
56 100
69 31.1 28.7 43.1
84 94.8 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 21.124 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 97 Resp: 85791
Ion Ratio Lower Upper
97 100
99 63.8 53.5 80.3
61 44.9 40.4 60.6

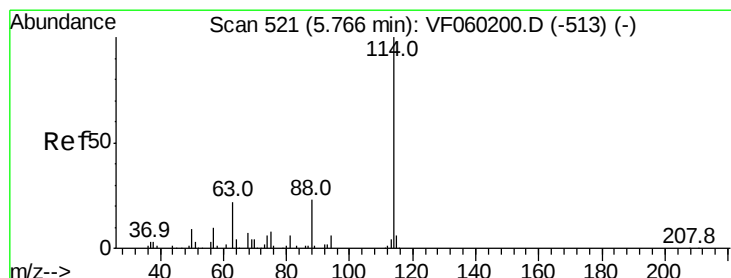
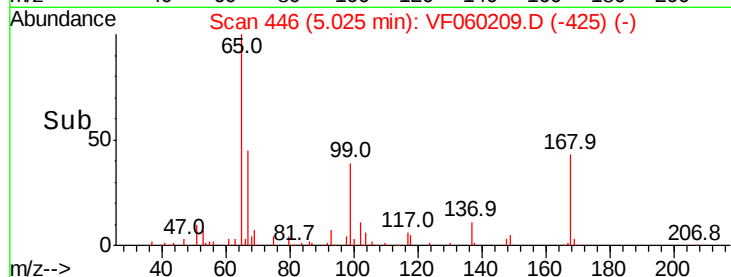
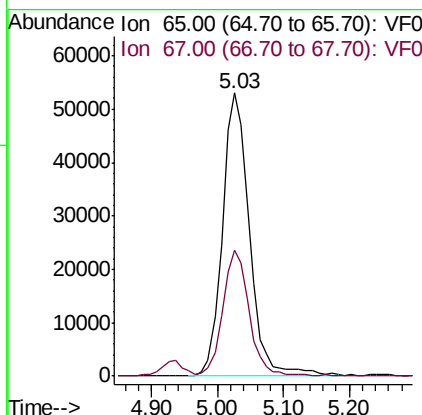
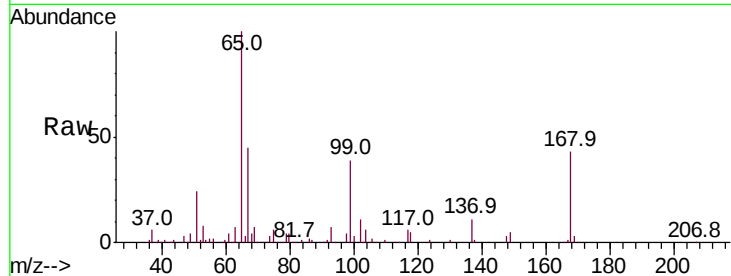




#33
 1,2-Dichloroethane-d4
 Concen: 55.040 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

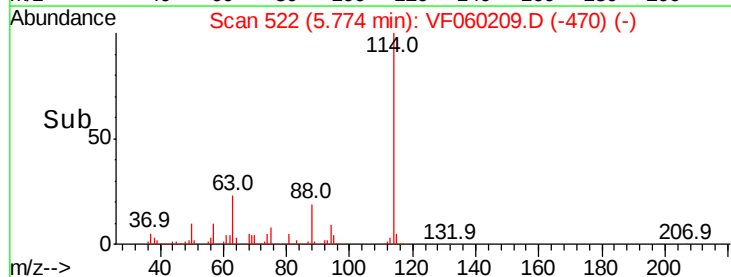
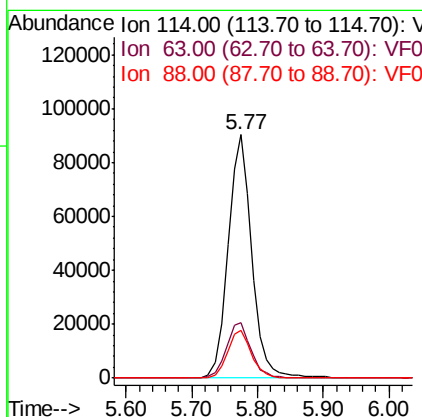
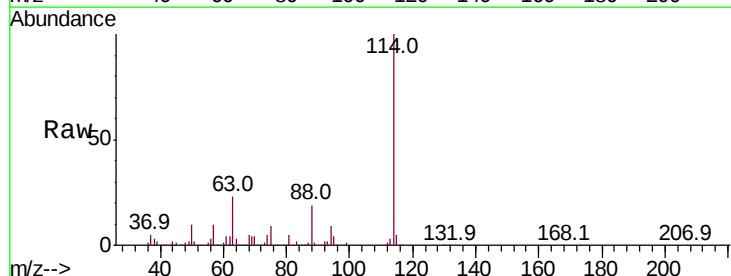
Instrument :
 MSVOA_F
 ClientSampleId :

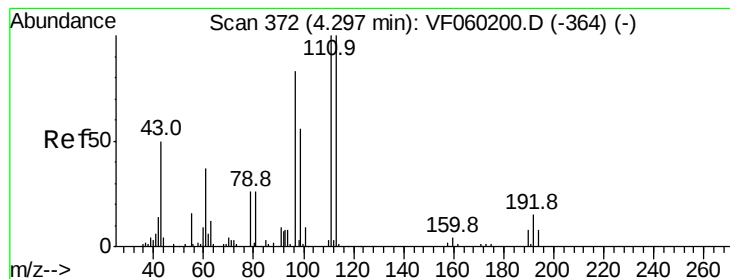
Tot Ion	Ratio	Lower	Upper
65	100		
67	44.7	0.0	87.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.6
88	19.4	0.0	46.4





#35

Dibromofluoromethane

Concen: 51.429 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :

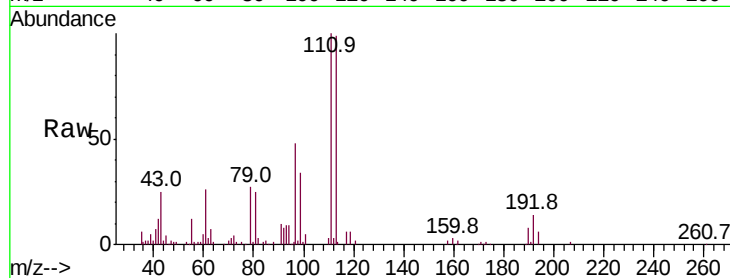
Tot Ion:113 Resp: 114318

Ion Ratio Lower Upper

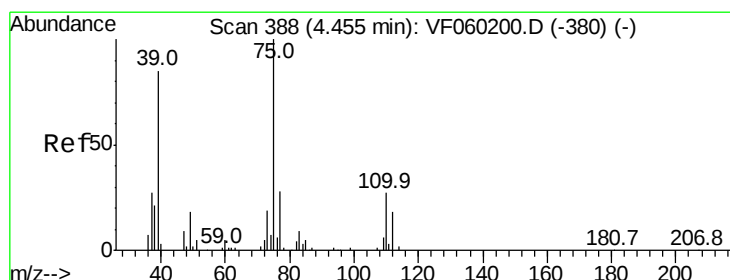
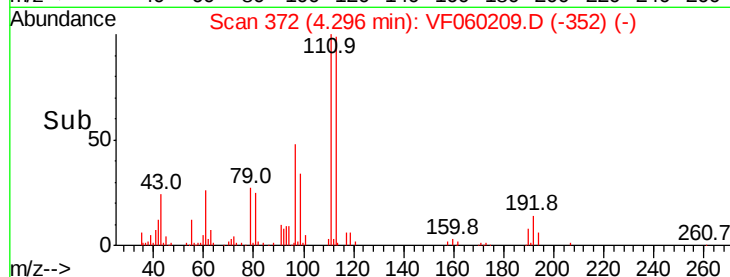
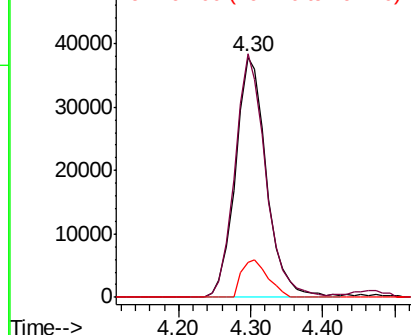
113 100

111 101.3 80.2 120.2

192 14.5 11.8 17.8



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 19.671 ug/l

RT: 4.46 min Scan# 389

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

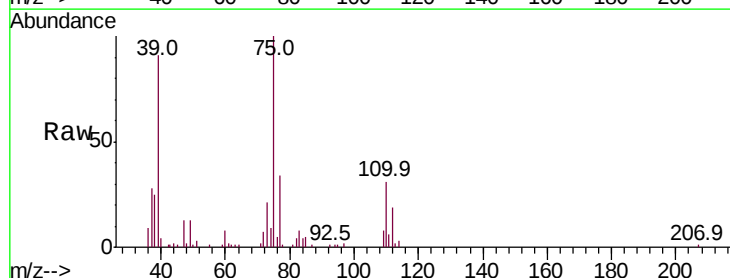
Tgt Ion: 75 Resp: 52530

Ion Ratio Lower Upper

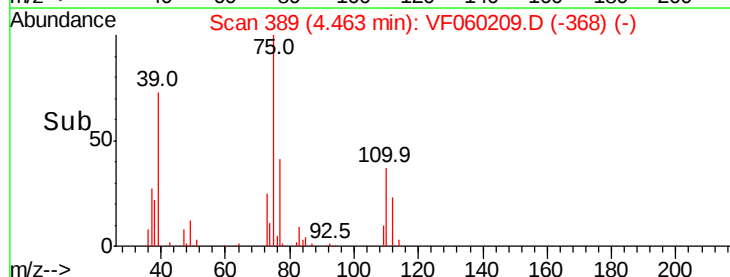
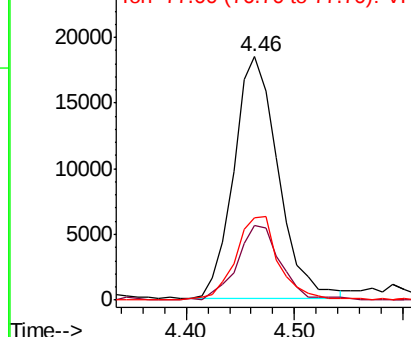
75 100

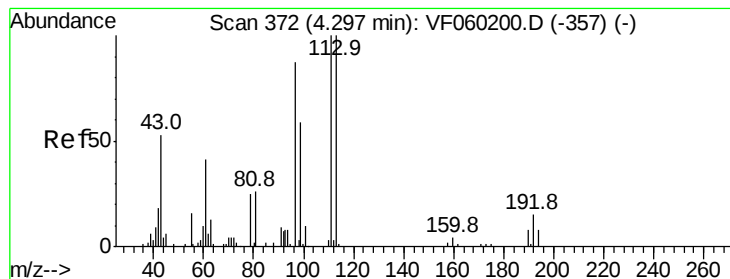
110 30.8 13.6 40.7

77 33.6 22.7 34.1



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 24.900 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :

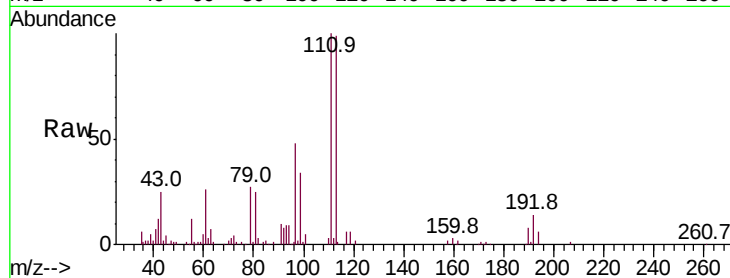
Tot Ion: 43 Resp: 35522

Ion Ratio Lower Upper

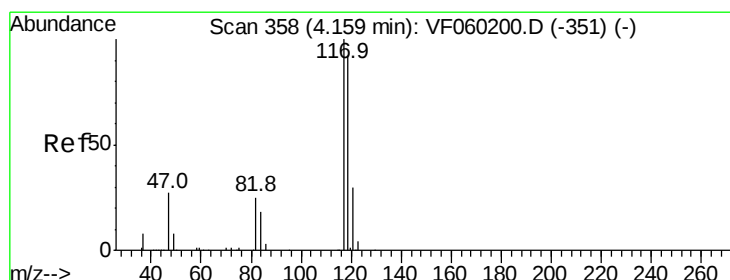
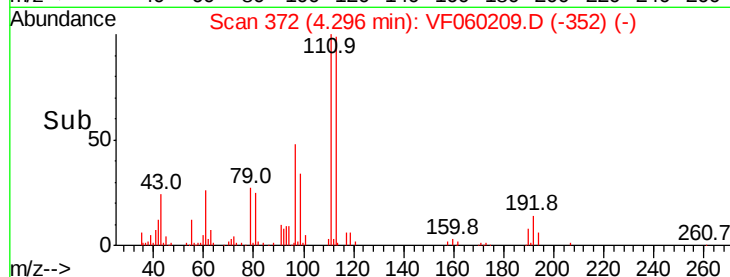
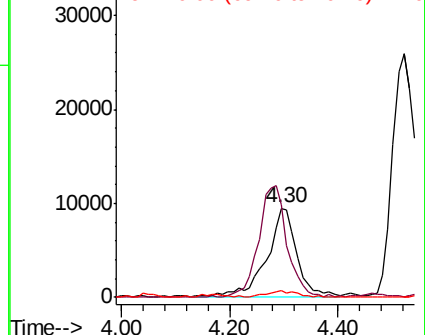
43 100

61 104.2 61.6 92.4#

70 7.8 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 20.561 ug/l

RT: 4.17 min Scan# 359

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

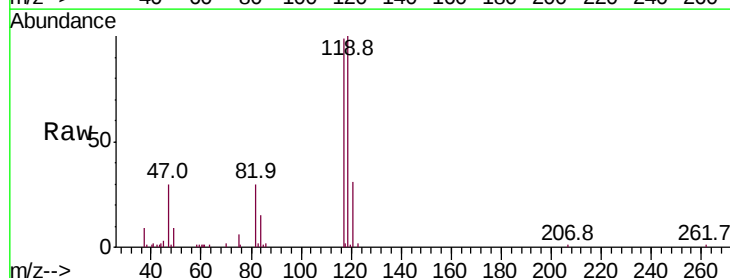
Tgt Ion: 117 Resp: 75484

Ion Ratio Lower Upper

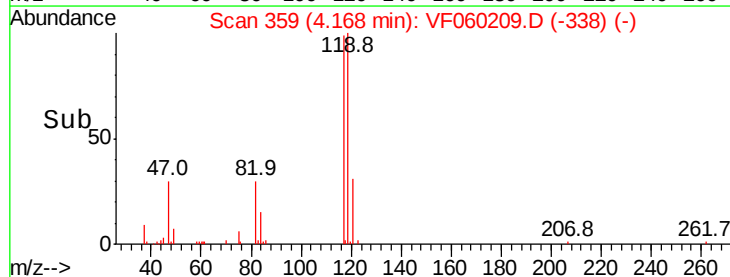
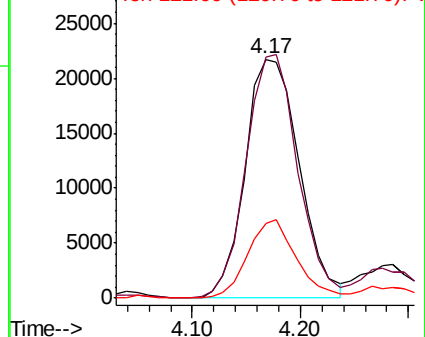
117 100

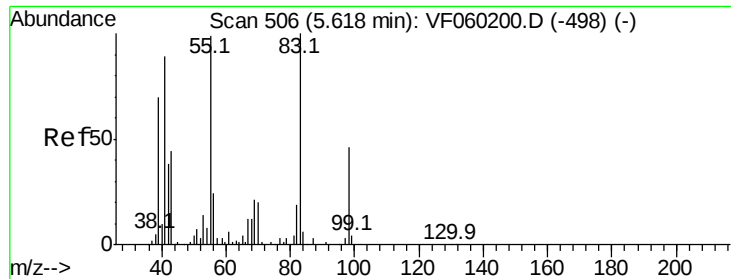
119 100.7 73.0 109.6

121 31.1 23.9 35.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

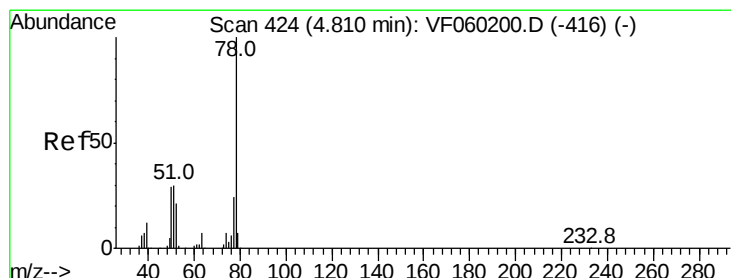
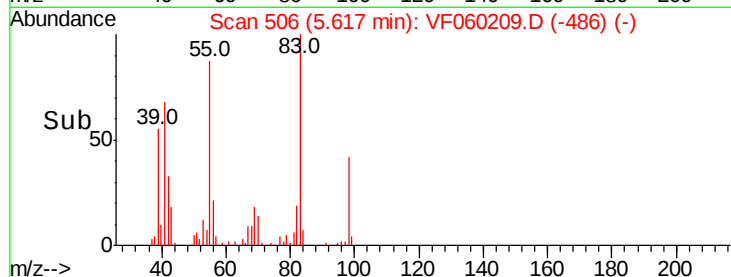
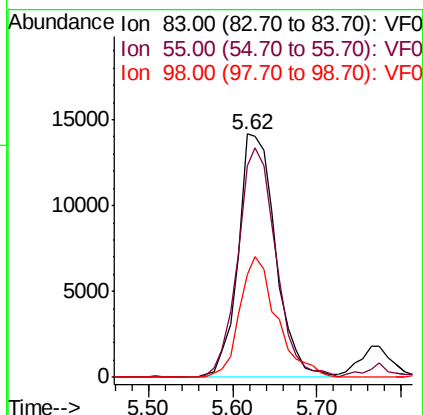
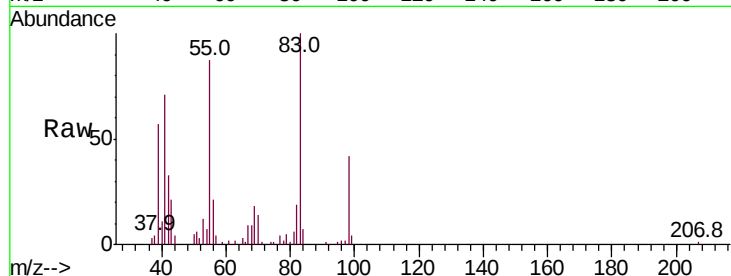




#39
Methvlcvclohexane
Concen: 19.726 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

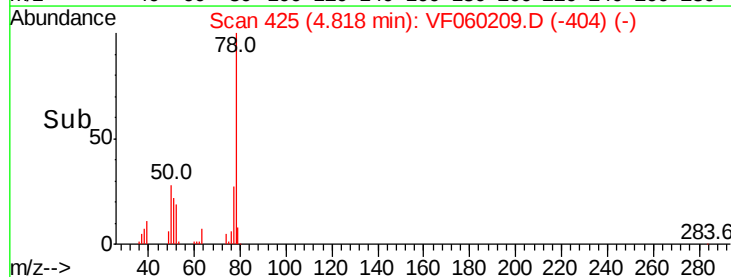
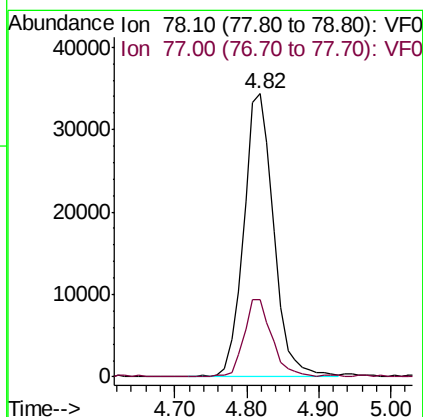
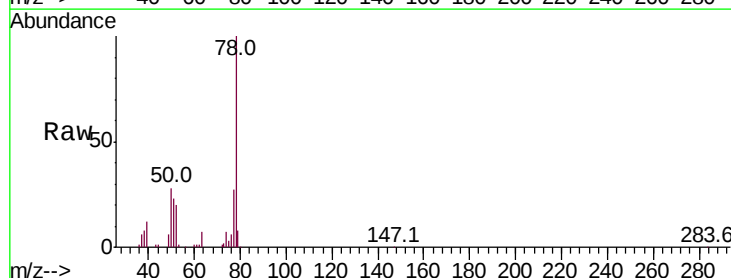
Instrument :
MSVOA_F
ClientSampleId :

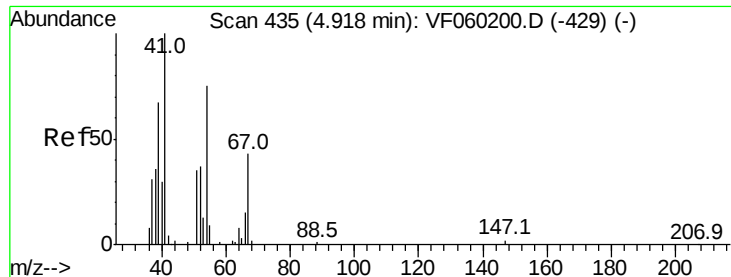
Tot Ion: 83 Resp: 44128
Ion Ratio Lower Upper
83 100
55 87.0 79.0 118.4
98 42.1 36.7 55.1



#40
Benzene
Concen: 20.967 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 78 Resp: 99754
Ion Ratio Lower Upper
78 100
77 27.4 19.0 28.4

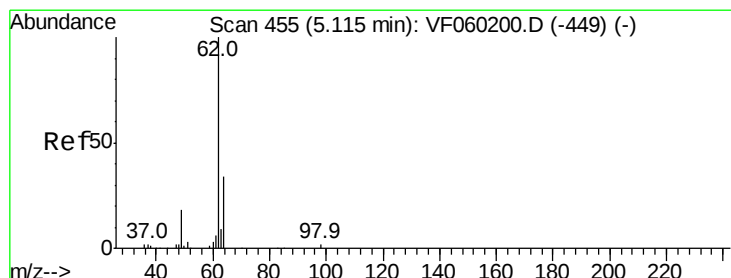
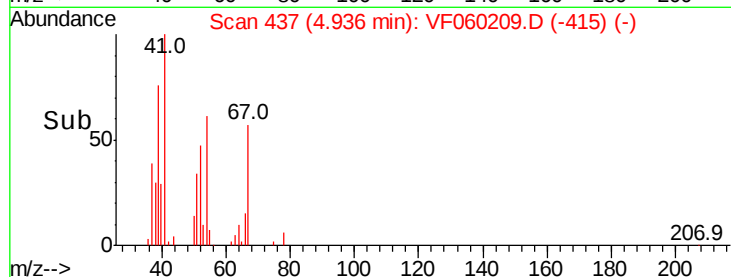
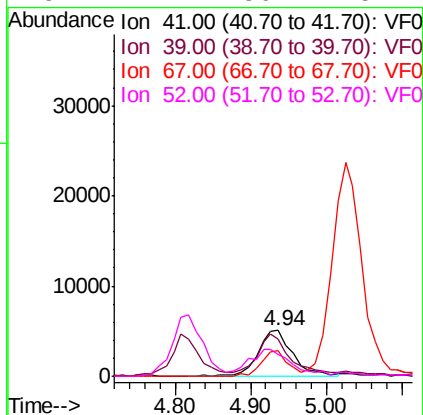
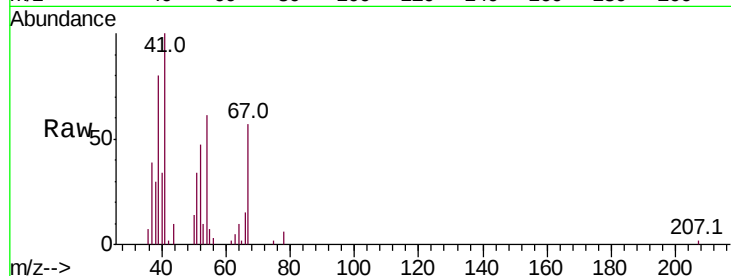




#41
Methacrylonitrile
Concen: 23.537 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

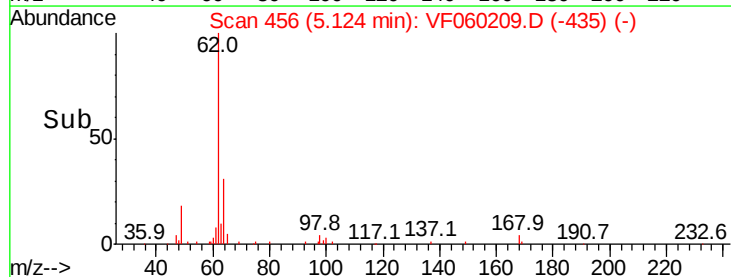
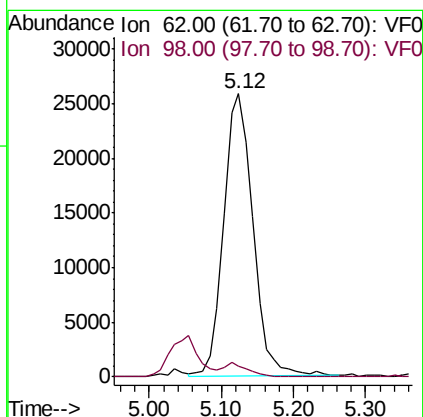
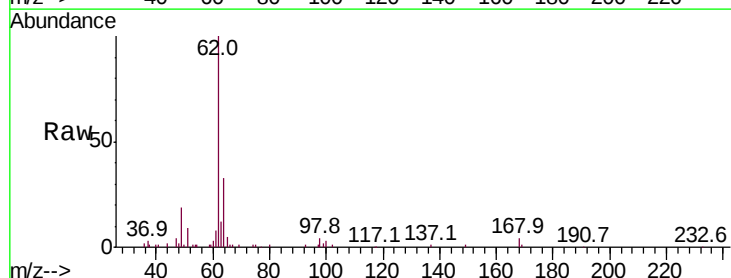
Instrument :
MSVOA_F
ClientSampleId :

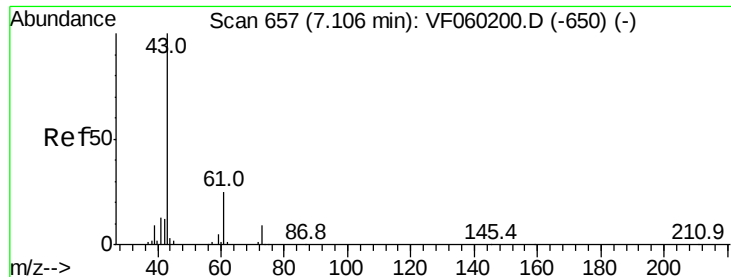
Tot Ion:	41	Resp:	16349
Ion	Ratio	Lower	Upper
41	100		
39	79.8	57.4	86.2
67	56.8	34.6	52.0#
52	47.4	36.2	54.4



#42
1,2-Dichloroethane
Concen: 21.205 ug/l
RT: 5.12 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion:	62	Resp:	72913
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	8.8



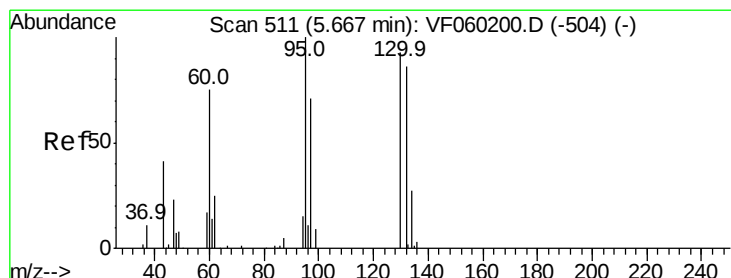
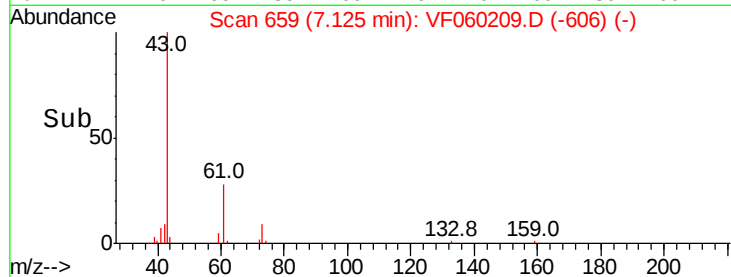
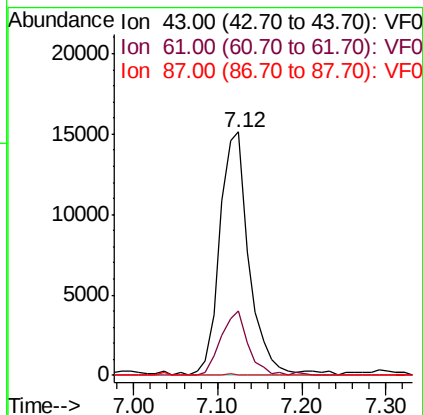
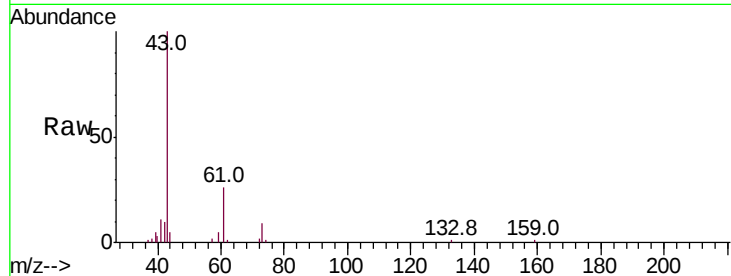


#43

Isopropyl Acetate
 Concen: 23.642 ug/l
 RT: 7.12 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
 MSVOA_F
 ClientSampleId :

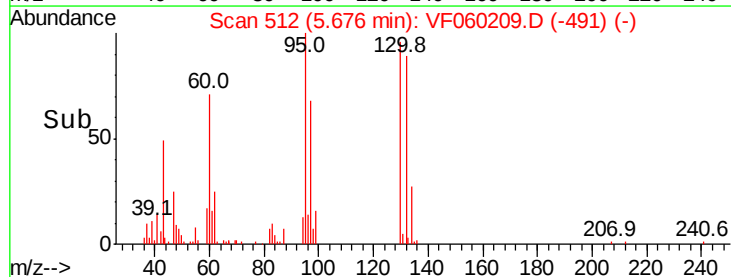
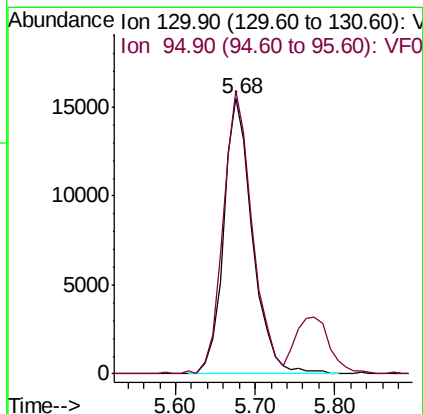
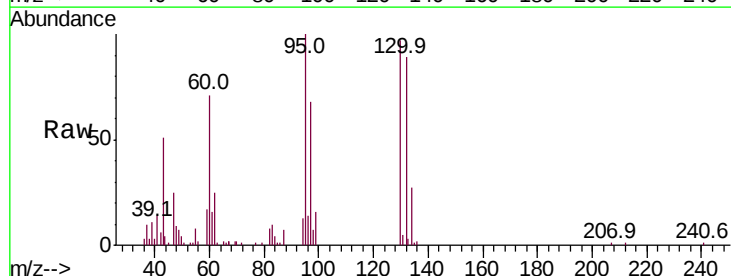
Tot Ion: 43 Resp: 36722
 Ion Ratio Lower Upper
 43 100
 61 26.3 19.9 29.9
 87 0.0 0.4 0.6#

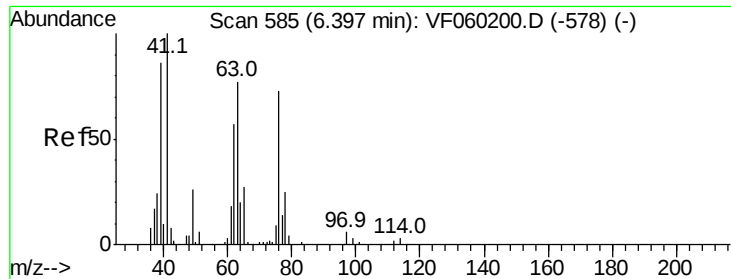


#44

Trichloroethene
 Concen: 20.362 ug/l
 RT: 5.68 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion:130 Resp: 39237
 Ion Ratio Lower Upper
 130 100
 95 102.8 0.0 215.4





#45

1,2-Dichloropropane

Concen: 21.387 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

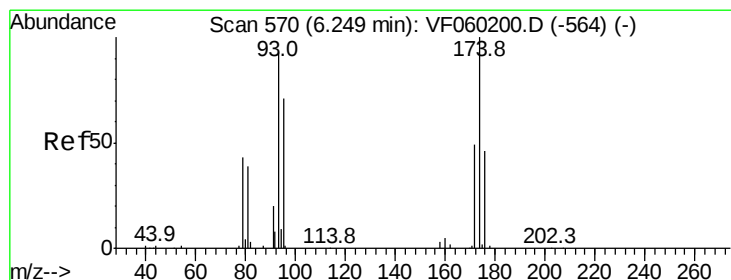
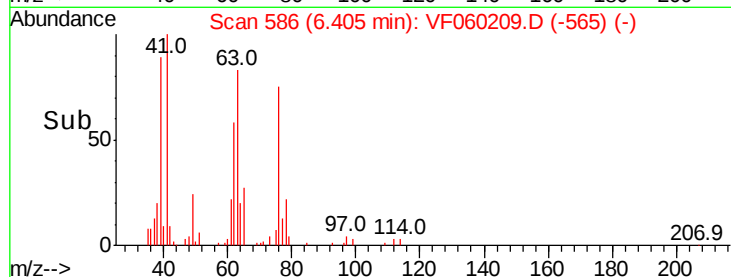
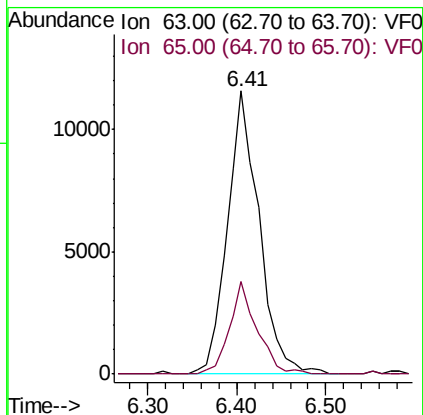
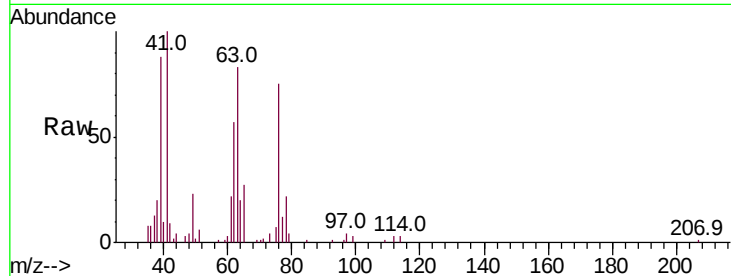
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 28921

Ion Ratio Lower Upper

63 100

65 32.9 27.9 41.9



#46

Dibromomethane

Concen: 22.123 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

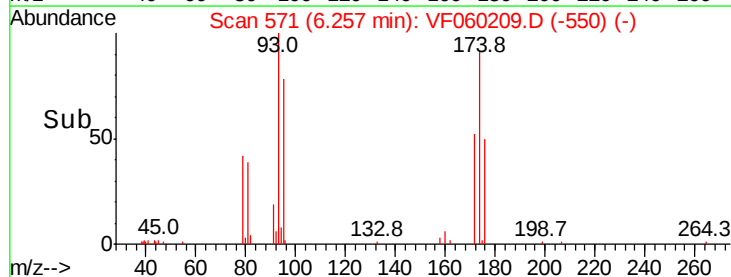
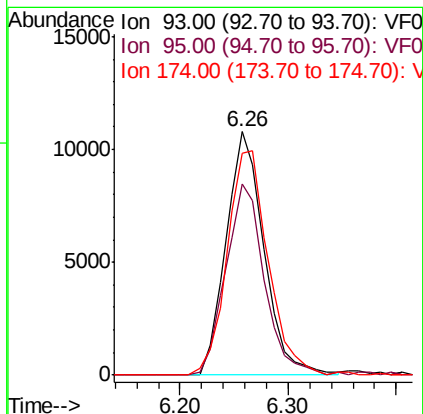
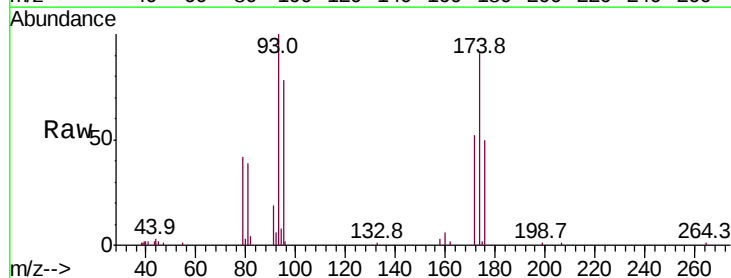
Tgt Ion: 93 Resp: 26341

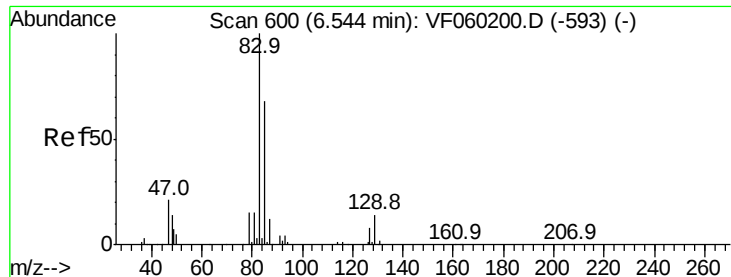
Ion Ratio Lower Upper

93 100

95 78.3 61.4 92.2

174 93.2 85.9 128.9





#47

Bromodichloromethane

Concen: 20.777 ug/l

RT: 6.55 min Scan# 601

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

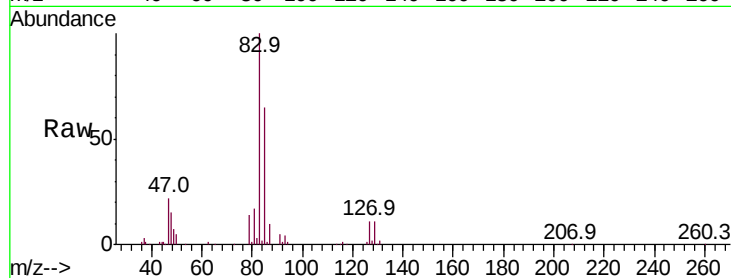
Tot Ion: 83 Resp: 67148

Ion Ratio Lower Upper

83 100

85 65.1 54.0 81.0

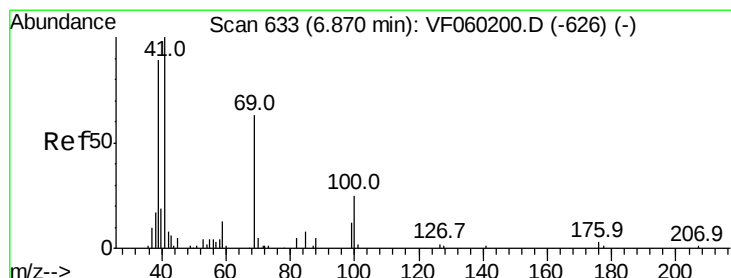
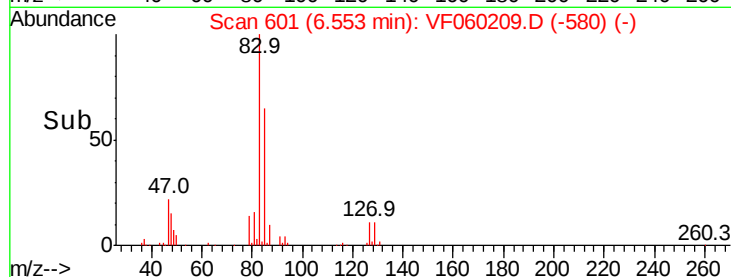
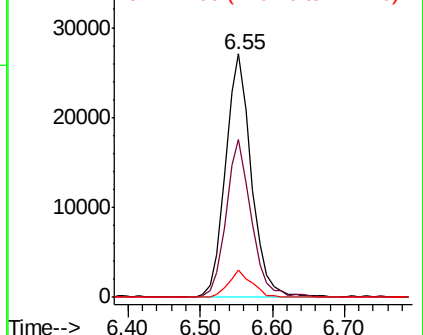
127 11.3 6.6 9.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.305 ug/l

RT: 6.88 min Scan# 634

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

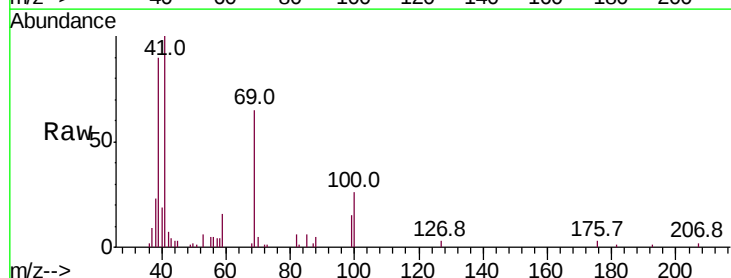
Tgt Ion: 41 Resp: 27521

Ion Ratio Lower Upper

41 100

69 64.5 50.4 75.6

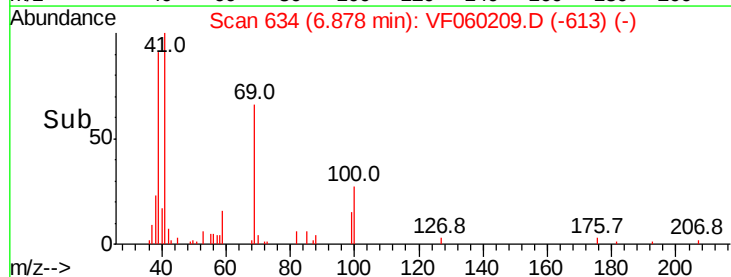
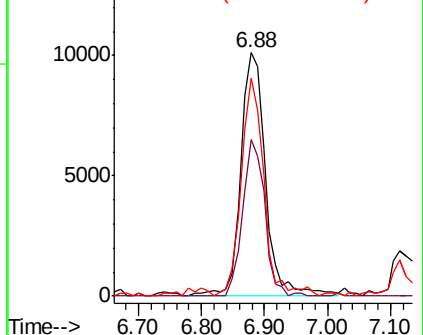
39 89.6 70.6 106.0

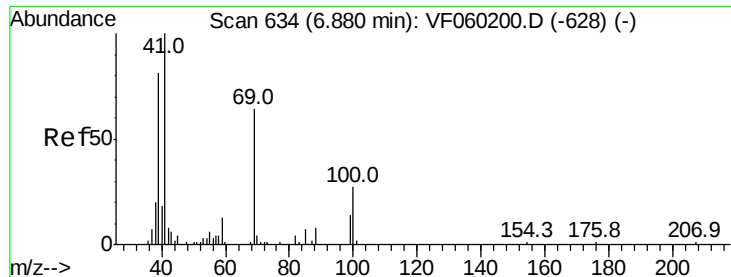


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 119.968 ug/l

RT: 6.92 min Scan# 638

Delta R.T. 0.04 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :

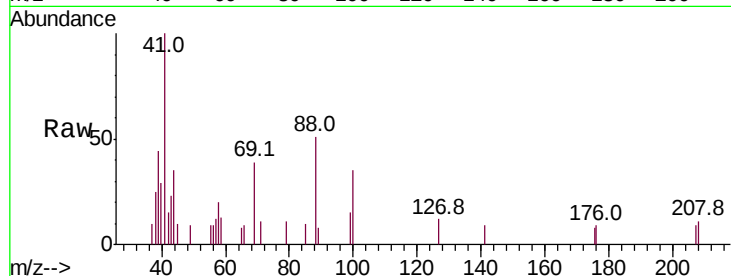
Tot Ion: 88 Resp: 2175

Ion Ratio Lower Upper

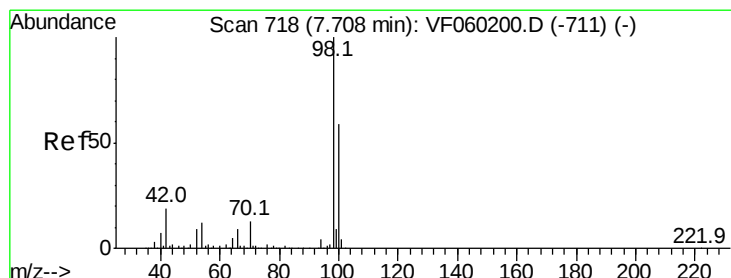
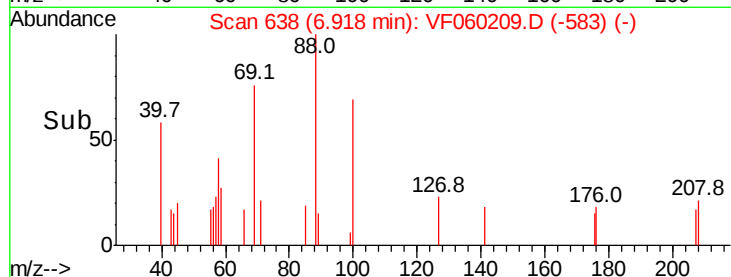
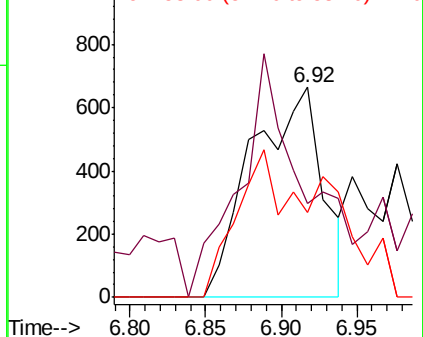
88 100

43 44.9 68.1 102.1#

58 40.5 38.1 57.1



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.937 ug/l

RT: 7.72 min Scan# 719

Delta R.T. 0.01 min

Lab File: VF060209.D

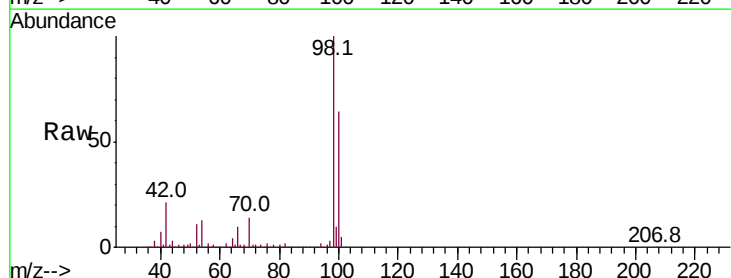
Acq: 7 Sep 2018 14:39

Tgt Ion: 98 Resp: 271448

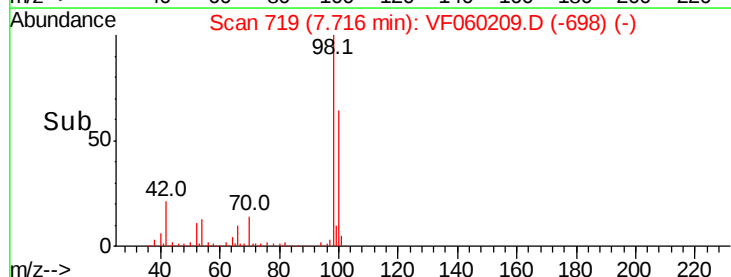
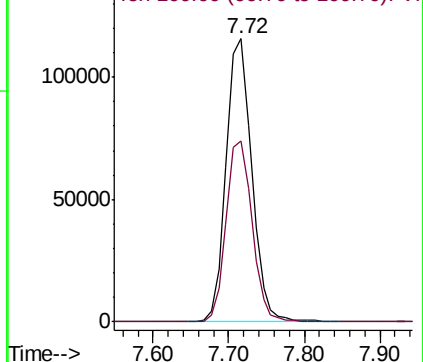
Ion Ratio Lower Upper

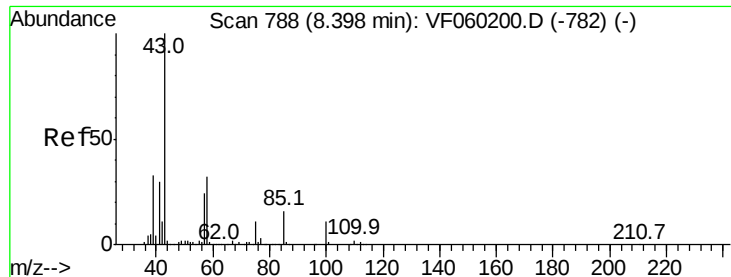
98 100

100 63.8 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 122.707 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

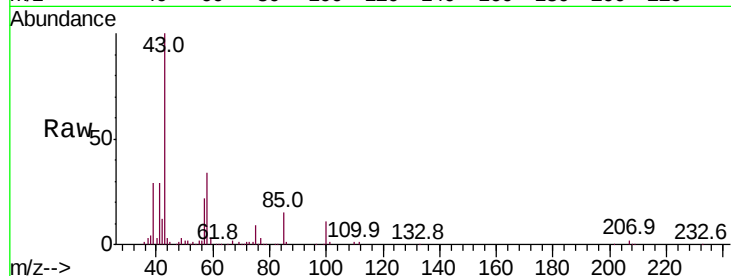
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 169340

Ion Ratio Lower Upper

43 100

58 33.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

60000

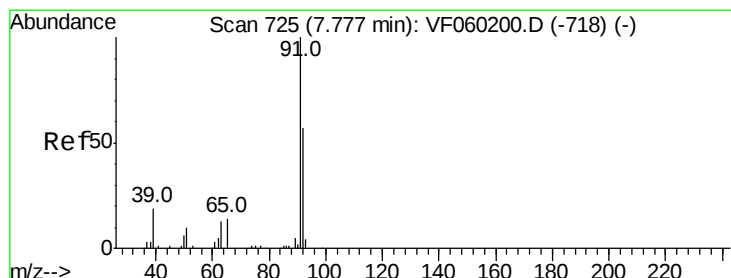
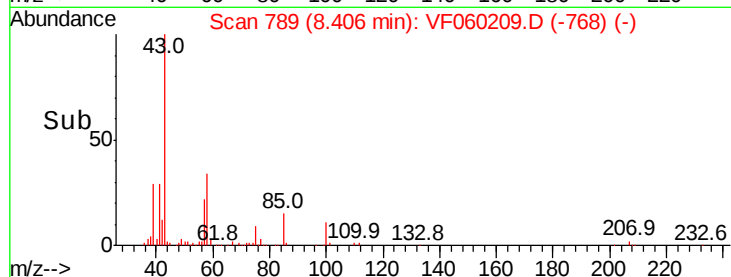
40000

20000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 19.506 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060209.D

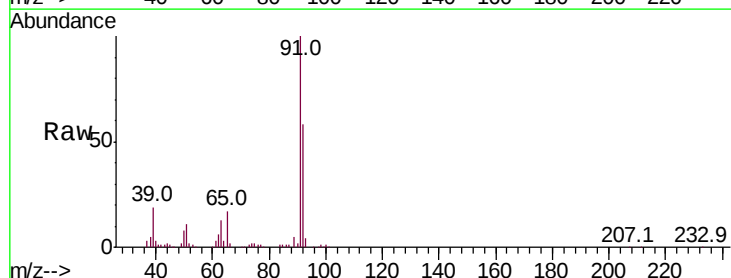
Acq: 7 Sep 2018 14:39

Tgt Ion: 92 Resp: 71871

Ion Ratio Lower Upper

92 100

91 171.8 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

50000

40000

30000

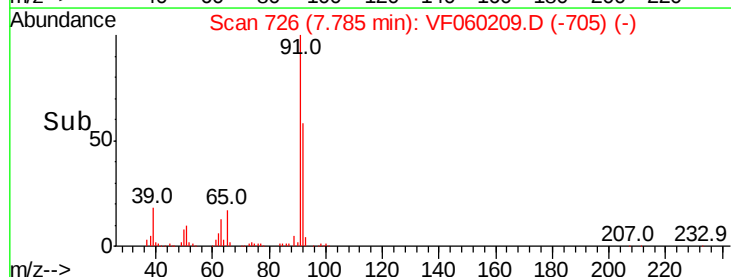
20000

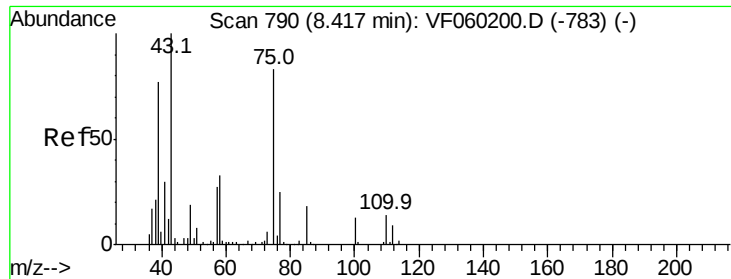
10000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.233 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

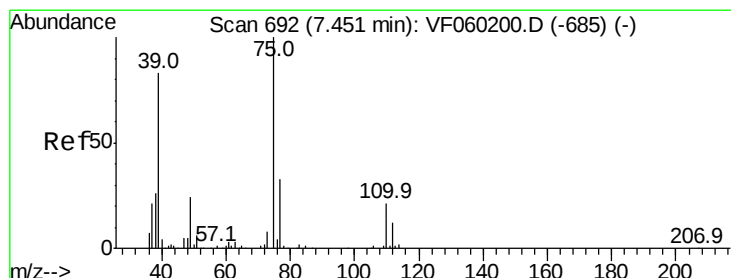
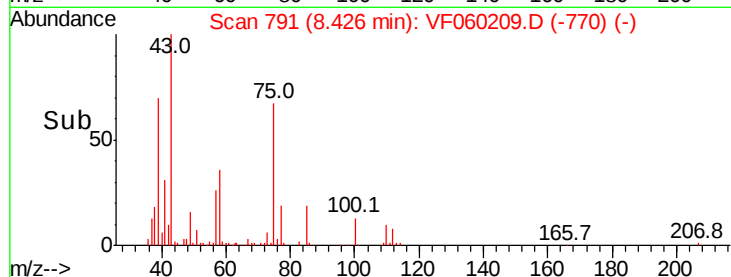
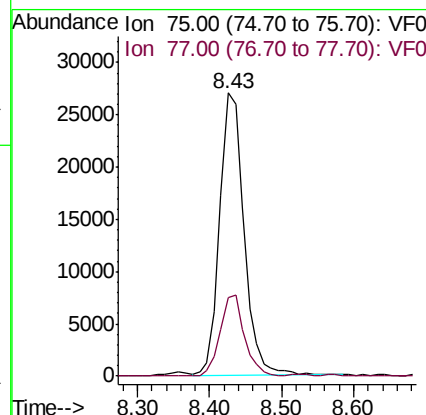
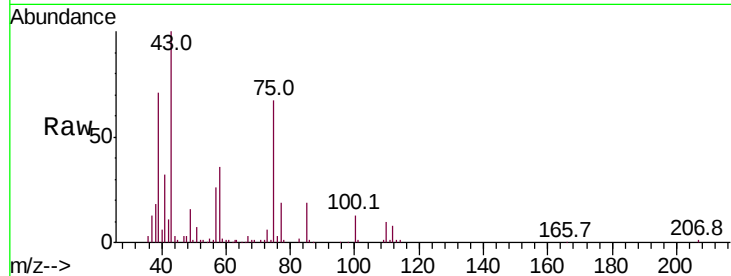
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 63091

Ion Ratio Lower Upper

75 100

77 28.0 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 21.351 ug/l

RT: 7.46 min Scan# 693

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

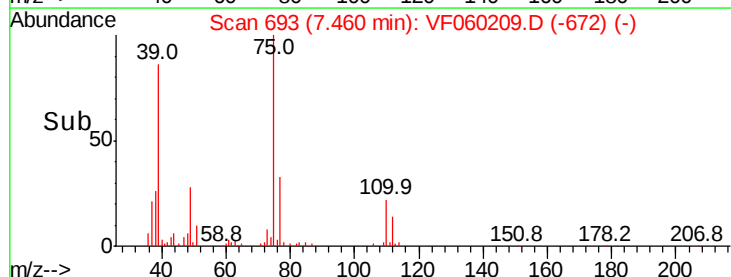
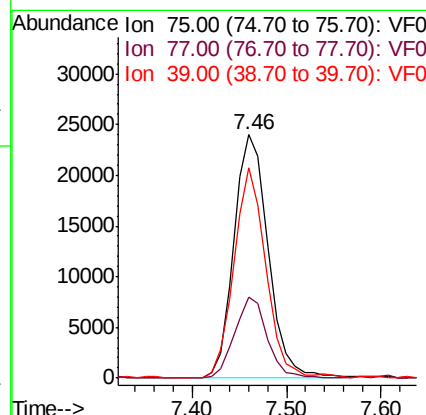
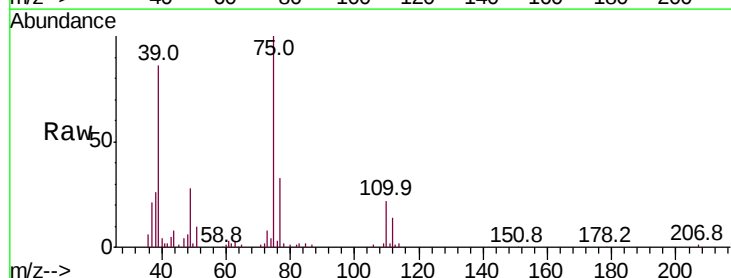
Tgt Ion: 75 Resp: 60190

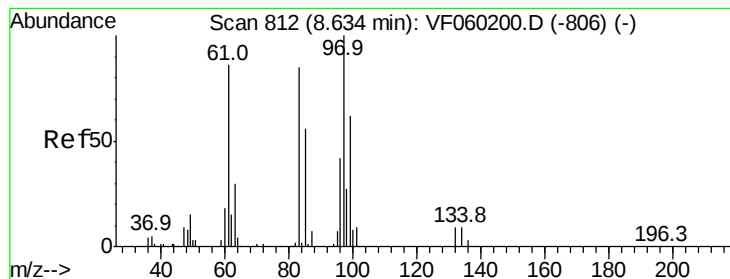
Ion Ratio Lower Upper

75 100

77 33.1 26.6 39.8

39 86.2 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 20.956 ug/l

RT: 8.64 min Scan# 813

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 28400

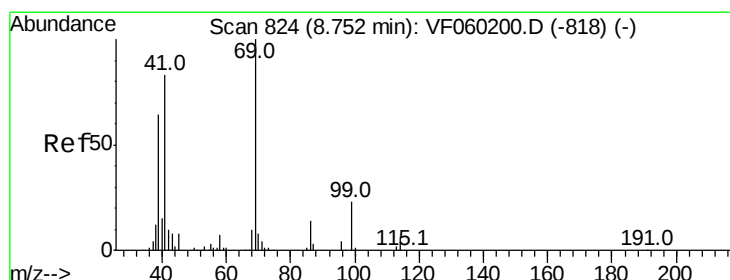
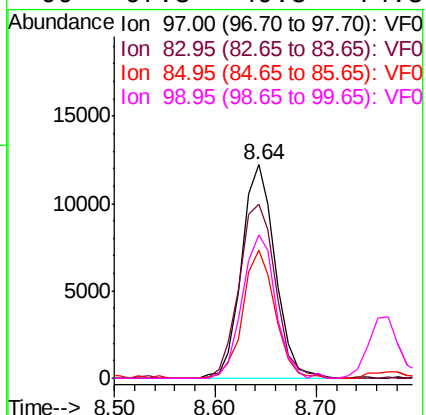
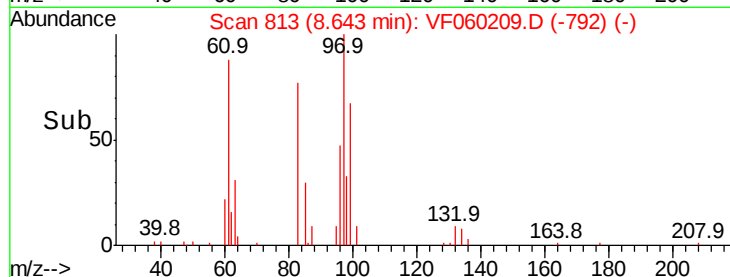
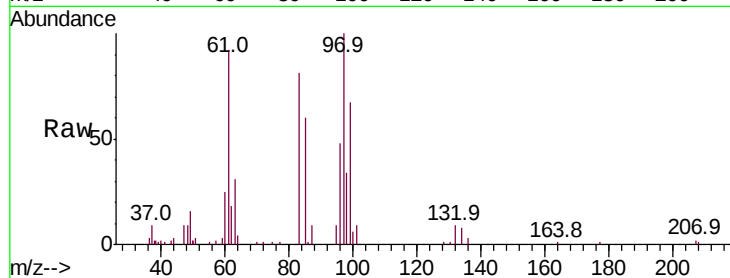
Ion	Ratio	Lower	Upper
97	100		
83	81.2	68.1	102.1
85	59.7	44.6	66.8
99	67.3	49.8	74.8

97 100

83 81.2 68.1 102.1

85 59.7 44.6 66.8

99 67.3 49.8 74.8



#56

Ethyl methacrylate

Concen: 24.481 ug/l

RT: 8.77 min Scan# 826

Delta R.T. 0.02 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

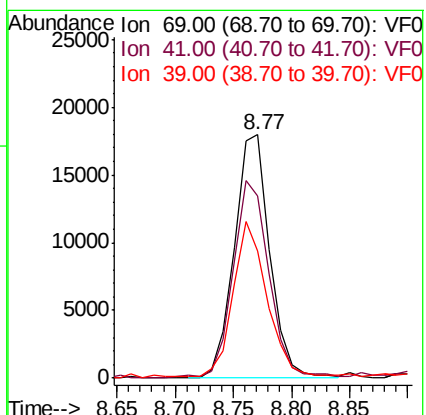
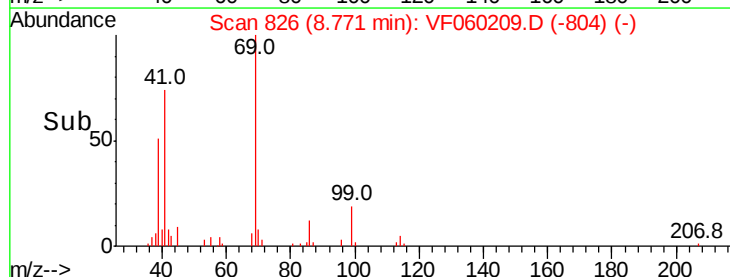
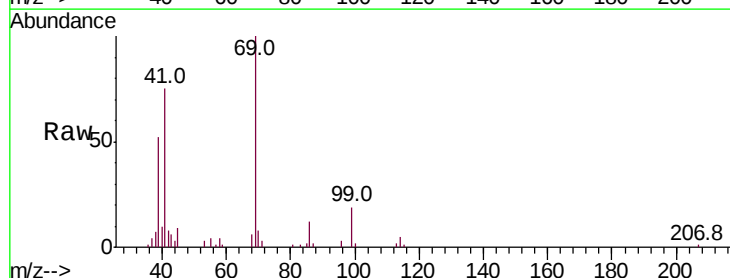
Tgt Ion: 69 Resp: 37927

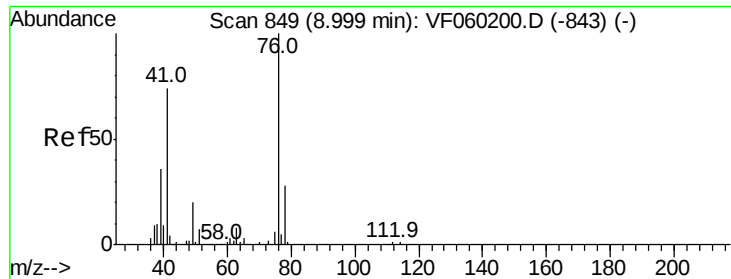
Ion	Ratio	Lower	Upper
69	100		
41	74.9	66.6	100.0
39	52.3	51.5	77.3

69 100

41 74.9 66.6 100.0

39 52.3 51.5 77.3





#57

1,3-Dichloropropane

Concen: 22.144 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

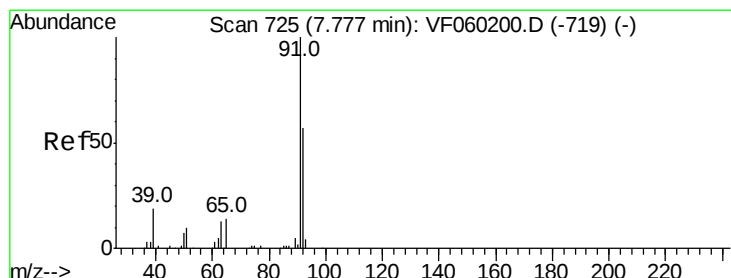
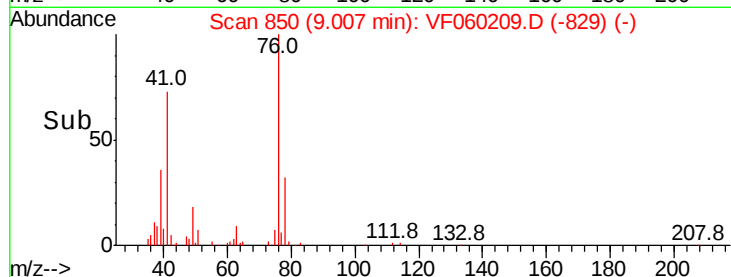
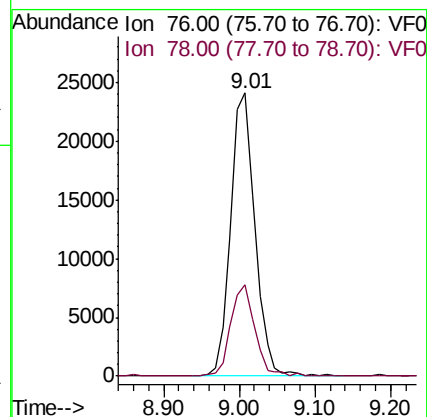
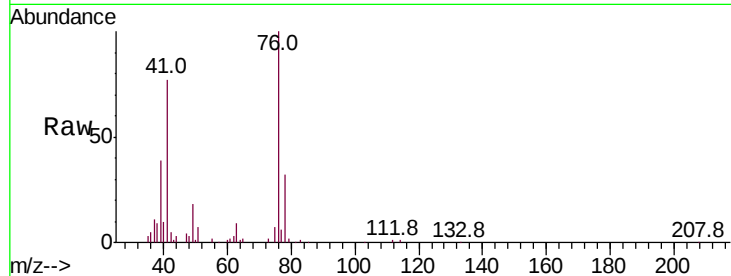
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 53356

Ion Ratio Lower Upper

76 100

78 32.4 22.8 34.2



#58

2-Chloroethyl Vinyl ether

Concen: 94.611 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060209.D

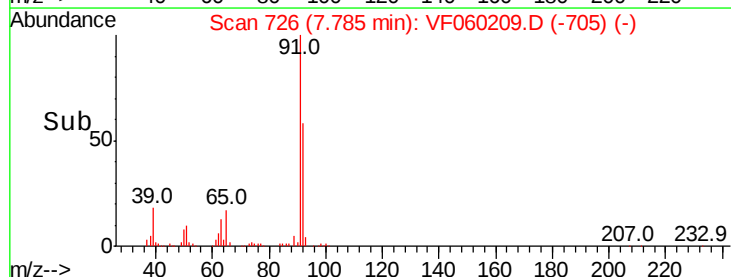
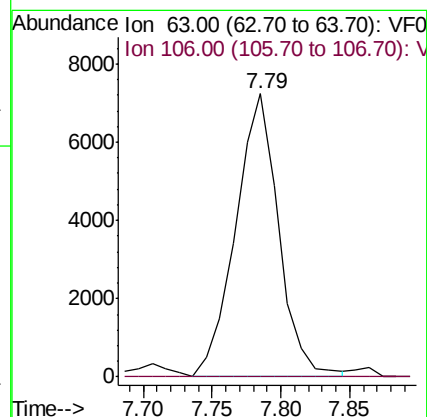
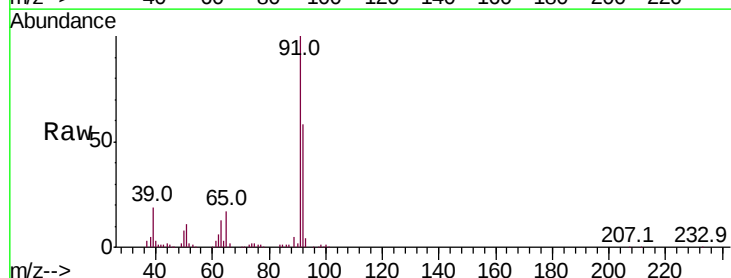
Acq: 7 Sep 2018 14:39

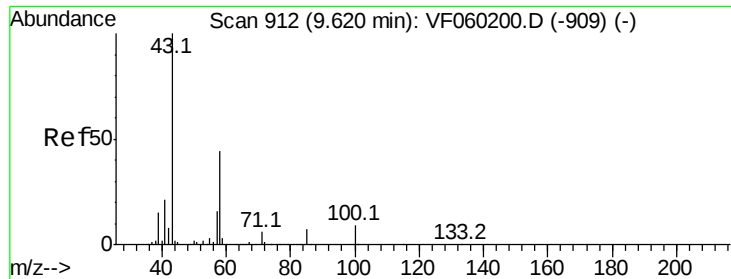
Tgt Ion: 63 Resp: 15763

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

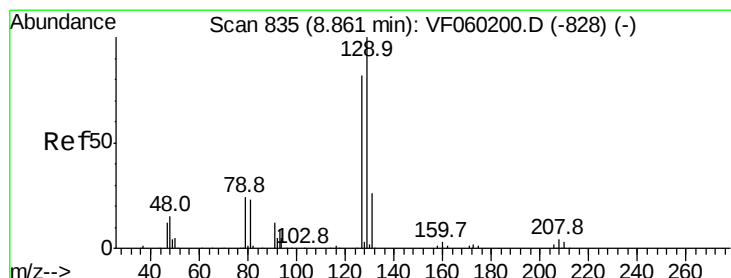
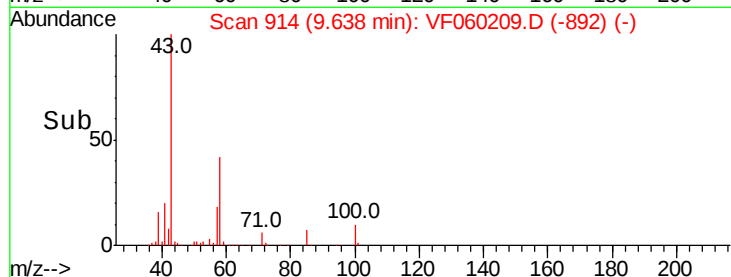
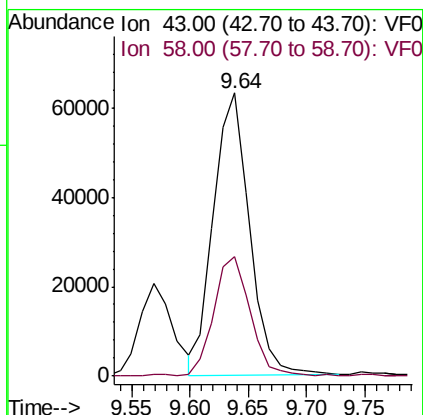
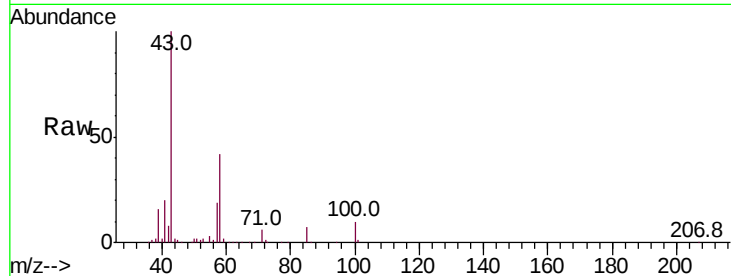




#59
2-Hexanone
Concen: 130.840 ug/l
RT: 9.64 min Scan# 914
Delta R.T. 0.02 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

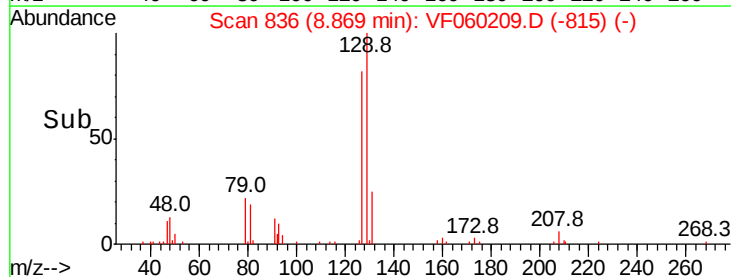
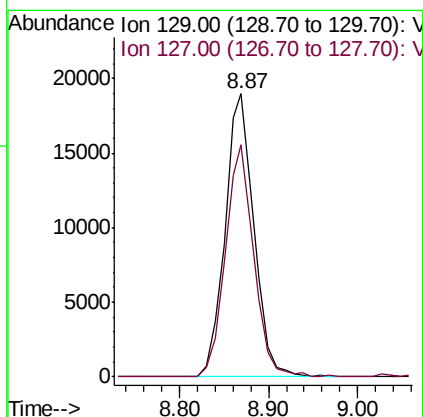
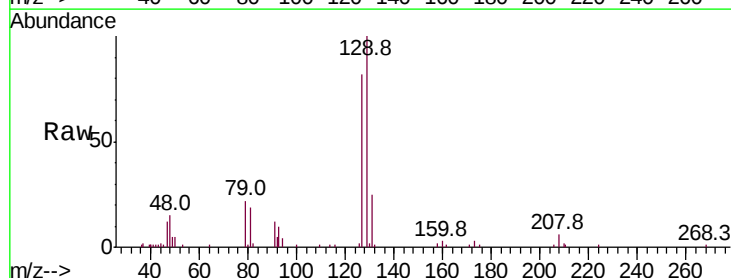
Instrument :
MSVOA_F
ClientSampleId :

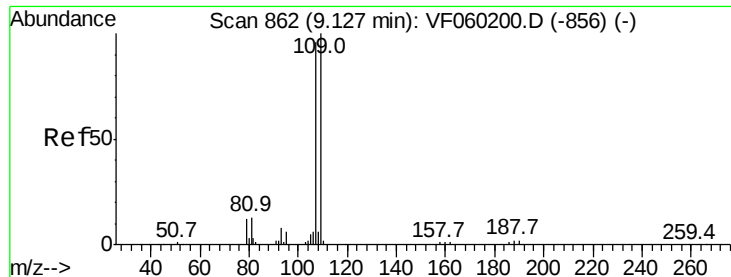
Tot Ion: 43 Resp: 135624
Ion Ratio Lower Upper
43 100
58 42.2 20.8 62.5



#60
Dibromochloromethane
Concen: 19.152 ug/l
RT: 8.87 min Scan# 836
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 129 Resp: 42989
Ion Ratio Lower Upper
129 100
127 82.1 40.9 122.8





#61

1,2-Dibromoethane

Concen: 22.409 ug/l

RT: 9.14 min Scan# 863

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

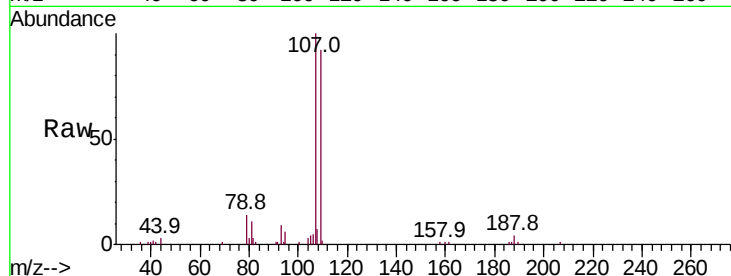
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 36425

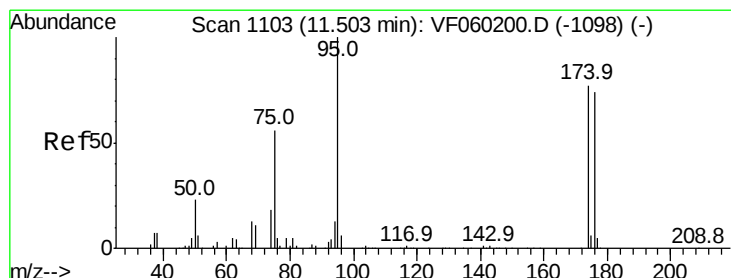
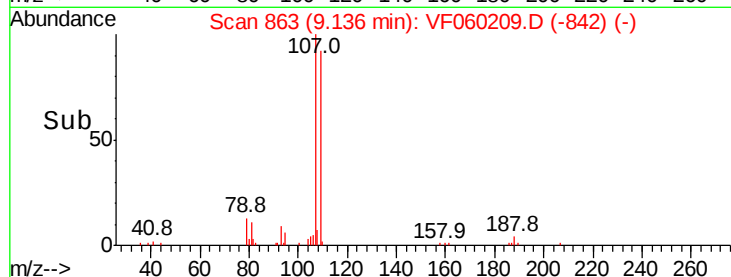
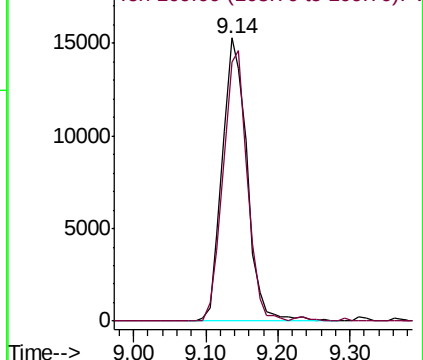
Ion Ratio Lower Upper

107 100

109 91.8 83.0 124.4



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.731 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

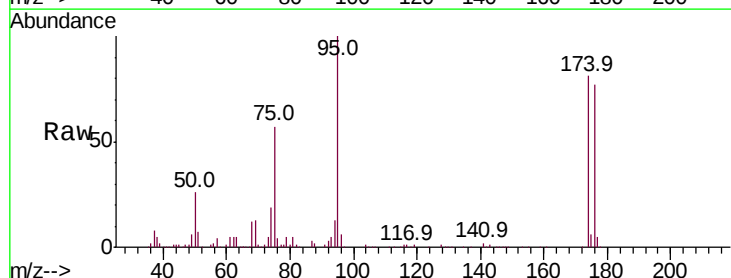
Tgt Ion: 95 Resp: 158769

Ion Ratio Lower Upper

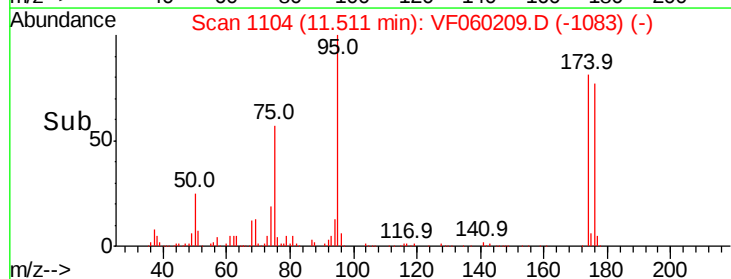
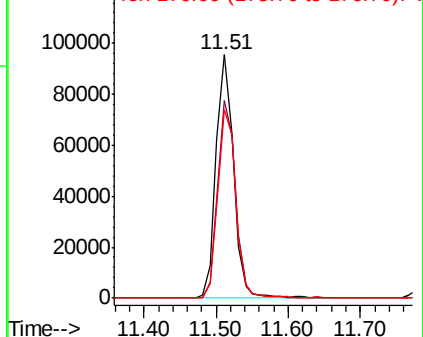
95 100

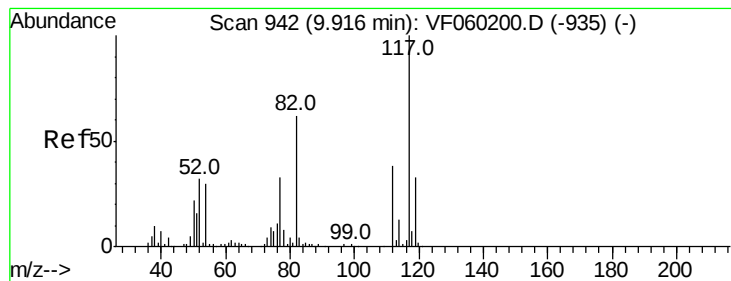
174 81.3 0.0 153.2

176 77.4 0.0 147.2



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 943

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampled :

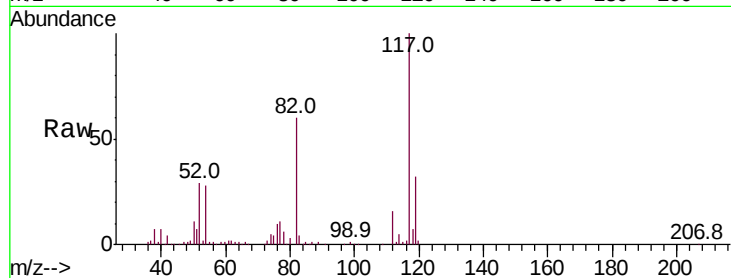
Tot Ion:117 Resp: 239623

Ion Ratio Lower Upper

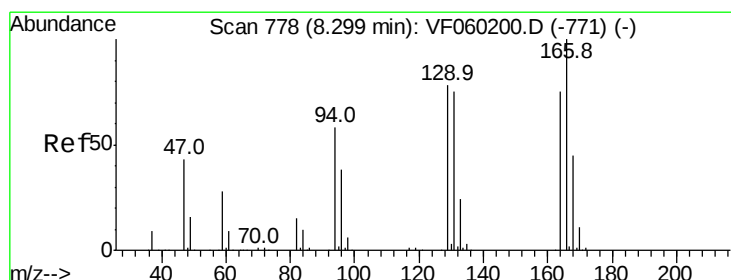
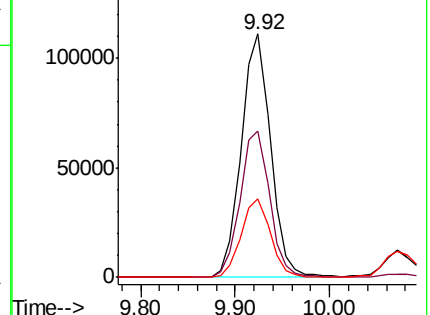
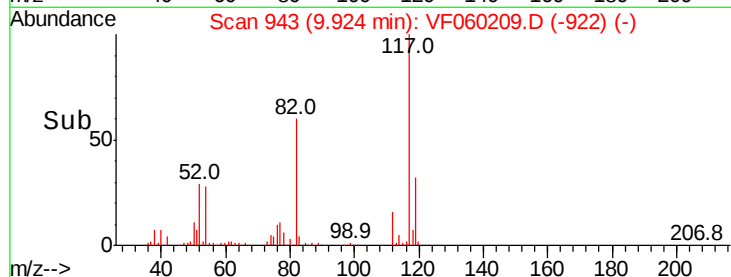
117 100

82 60.1 49.3 73.9

119 32.1 26.5 39.7



Abundance Ion 117.00 (116.70 to 117.70): V
150000 Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 17.403 ug/l

RT: 8.31 min Scan# 779

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:164 Resp: 49361

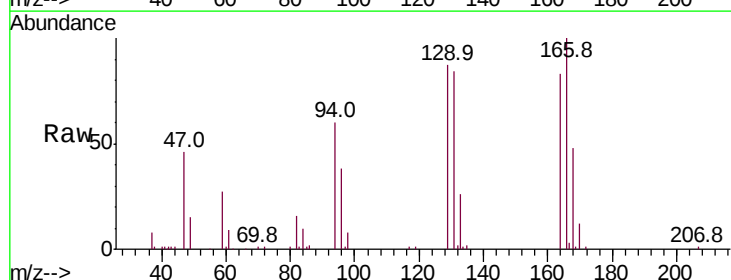
Ion Ratio Lower Upper

164 100

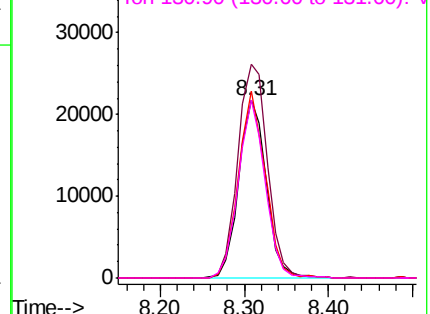
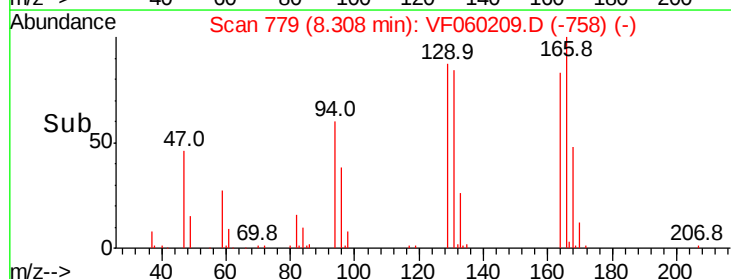
166 120.4 107.0 160.4

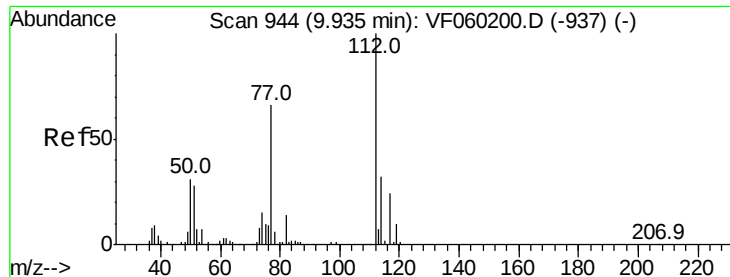
129 105.2 83.0 124.6

131 100.6 79.8 119.8



Abundance Ion 163.85 (163.55 to 164.55): V
40000 Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

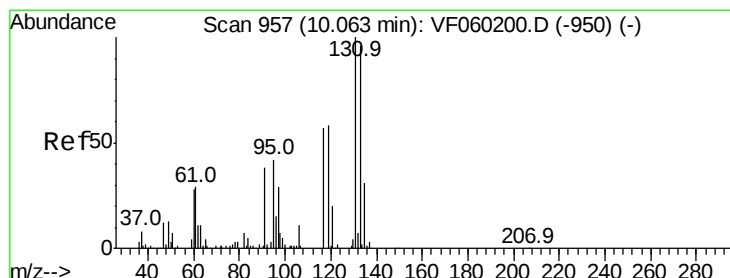
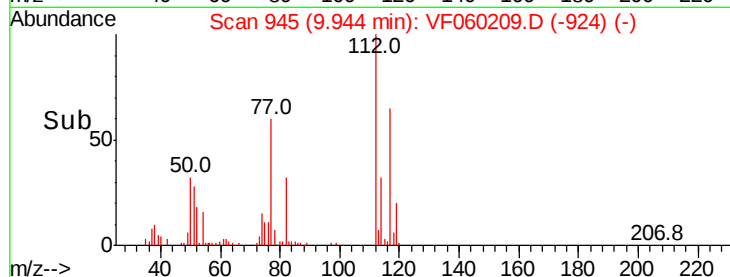
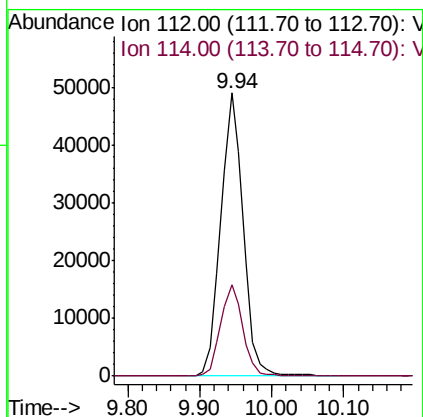
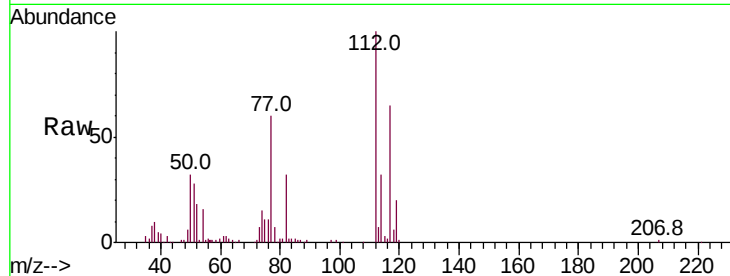




#65
Chlorobenzene
Concen: 21.327 ug/l
RT: 9.94 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

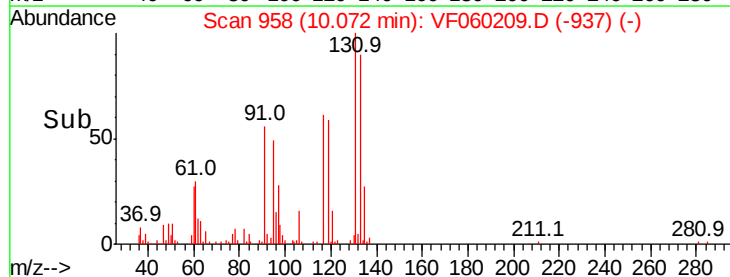
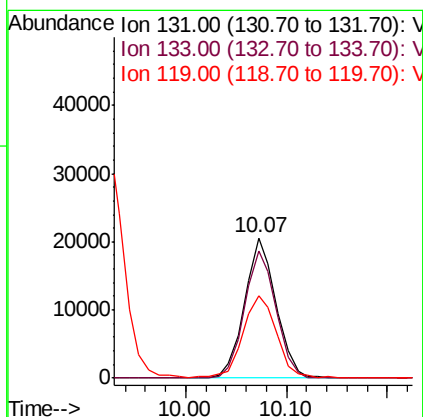
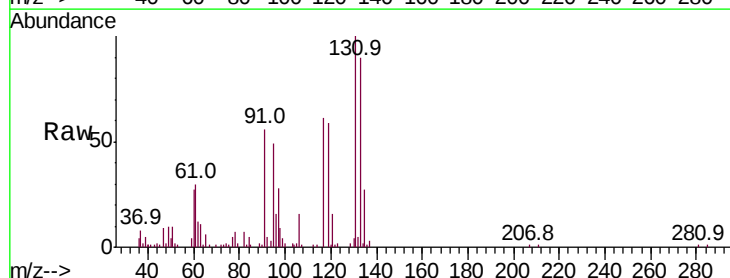
Instrument :
MSVOA_F
ClientSampled :

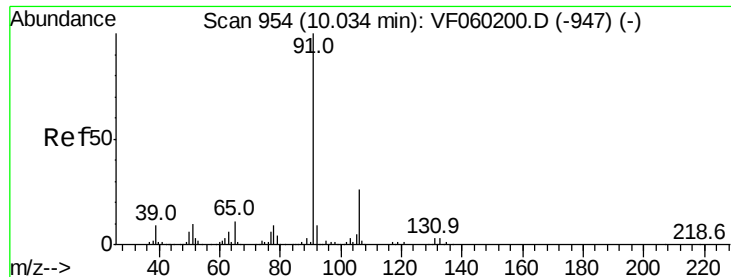
Tot Ion:112 Resp: 105775
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.291 ug/l
RT: 10.07 min Scan# 958
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion:131 Resp: 44605
Ion Ratio Lower Upper
131 100
133 90.4 47.9 143.8
119 59.1 29.0 87.0





#67

Ethyl Benzene

Concen: 20.889 ug/l

RT: 10.04 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

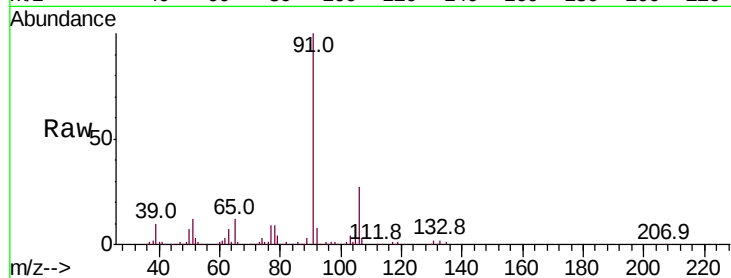
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 193290

Ion Ratio Lower Upper

91 100

106 26.8 21.1 31.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.04

80000

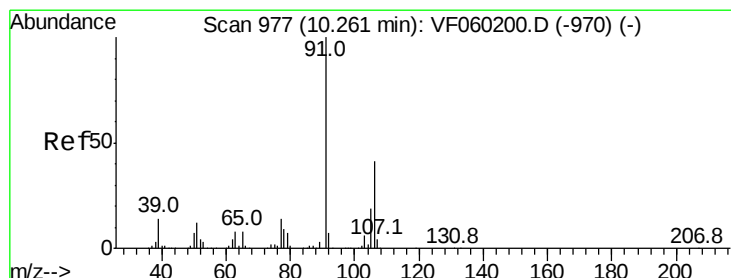
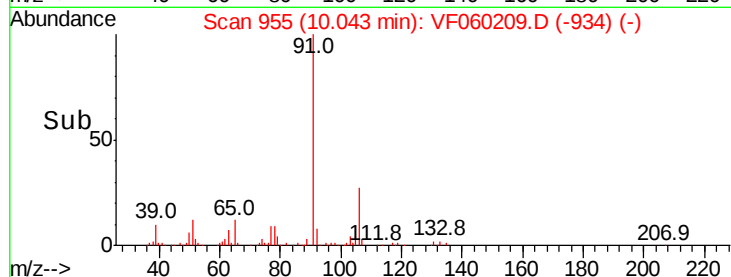
60000

40000

20000

0

Time-->



#68

m/p-Xylenes

Concen: 43.064 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060209.D

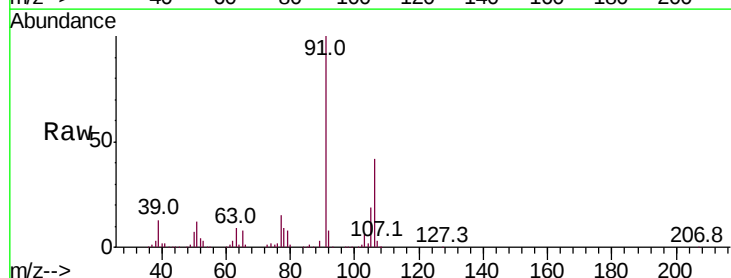
Acq: 7 Sep 2018 14:39

Tgt Ion:106 Resp: 133698

Ion Ratio Lower Upper

106 100

91 237.7 194.6 291.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.27

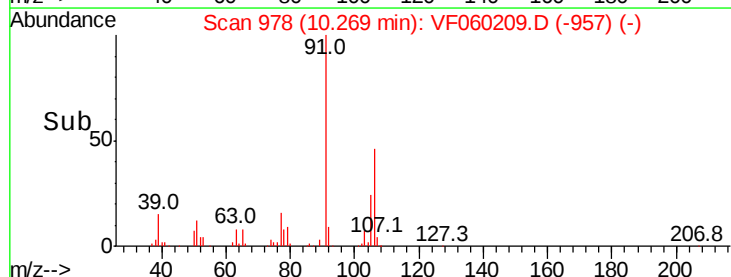
150000

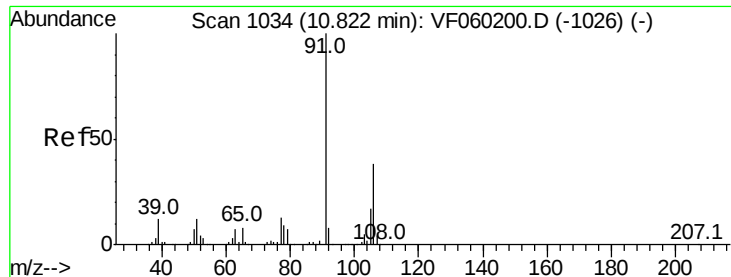
100000

50000

0

Time-->

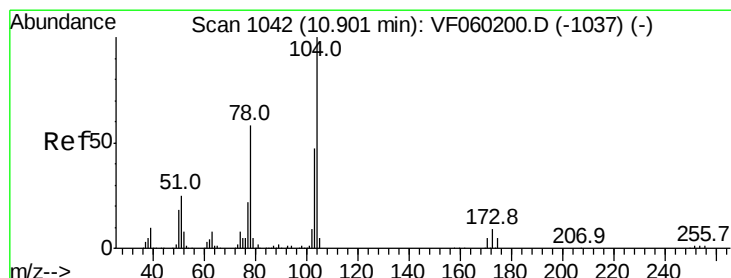
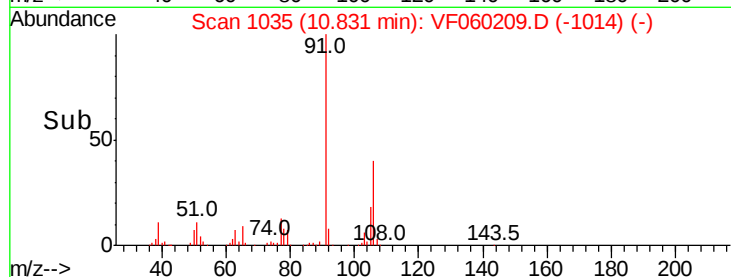
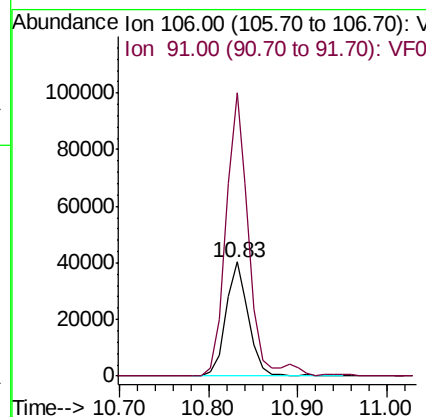
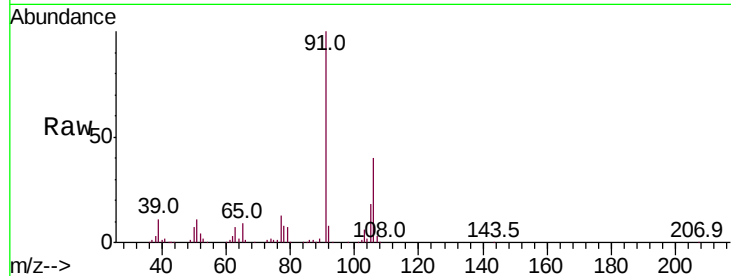




#69
o-Xylene
Concen: 21.644 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

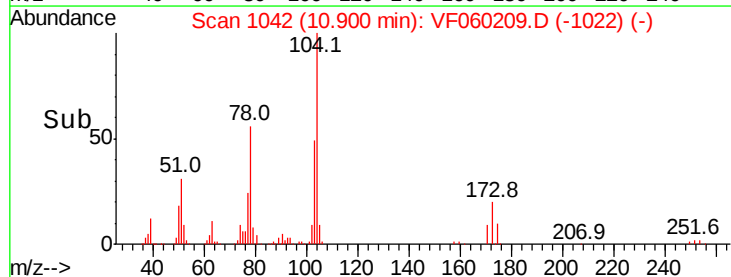
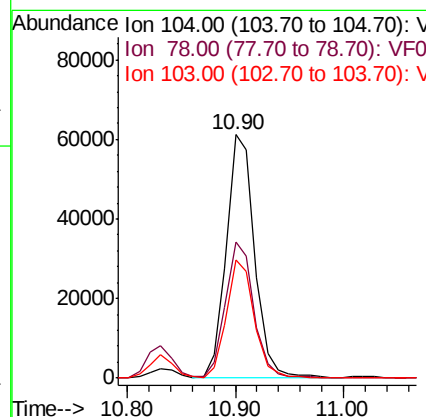
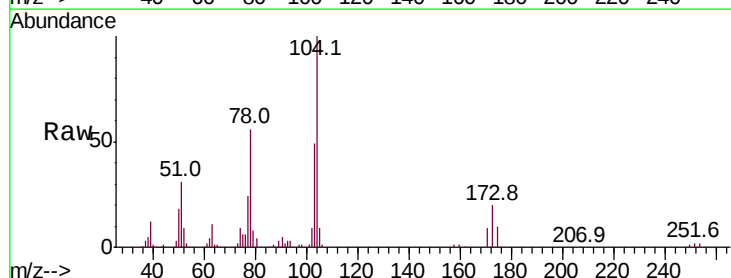
Instrument :
MSVOA_F
ClientSampled :

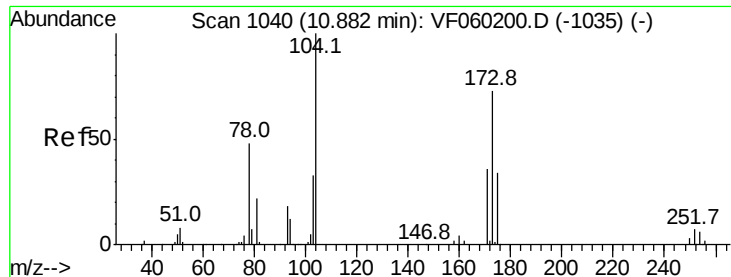
Tot Ion:106 Resp: 71678
Ion Ratio Lower Upper
106 100
91 248.8 130.5 391.5



#70
Styrene
Concen: 22.269 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion:104 Resp: 111787
Ion Ratio Lower Upper
104 100
78 55.8 47.1 70.7
103 48.5 38.6 57.8





#71

Bromoform

Concen: 20.957 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampled :

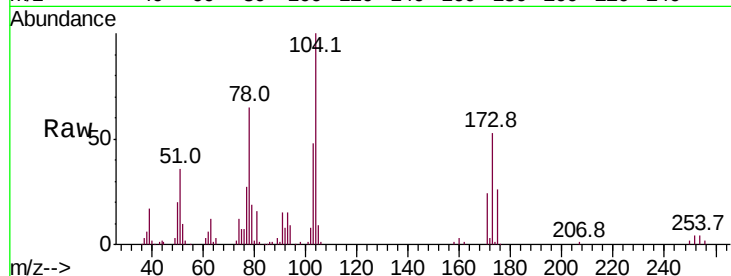
Tot Ion:173 Resp: 26597

Ion Ratio Lower Upper

173 100

175 49.0 23.1 69.3

254 0.0 0.2 0.4#

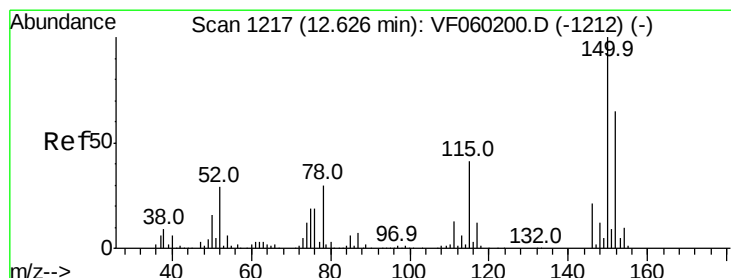
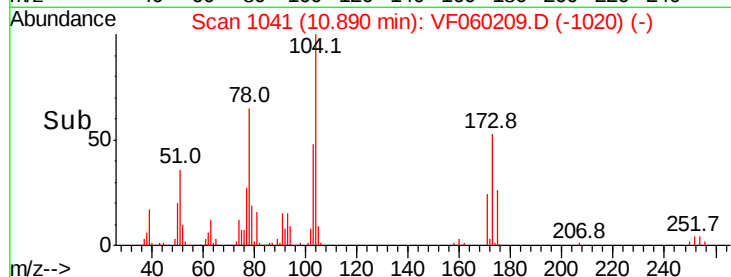
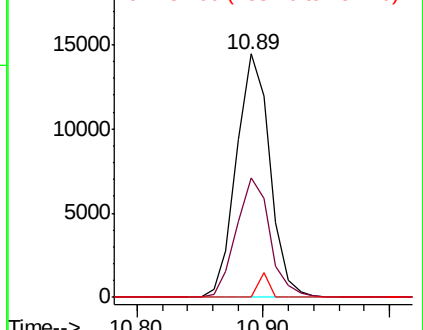


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

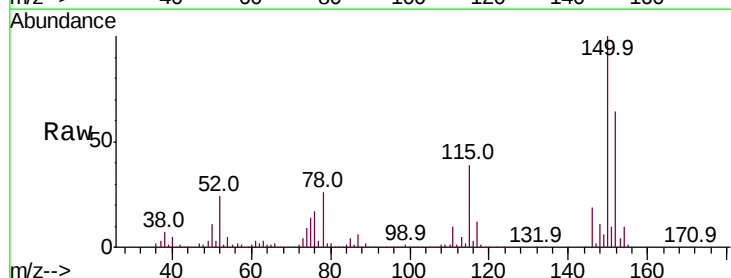
Tgt Ion:152 Resp: 158330

Ion Ratio Lower Upper

152 100

115 61.0 31.5 94.5

150 156.2 0.0 310.4

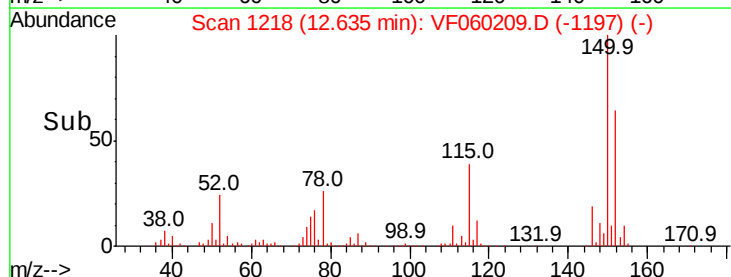
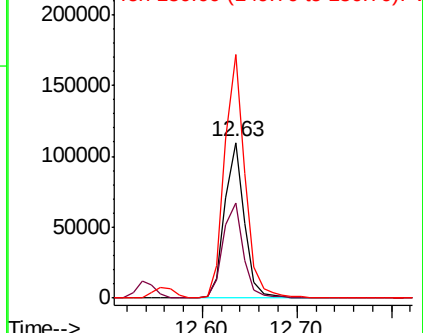


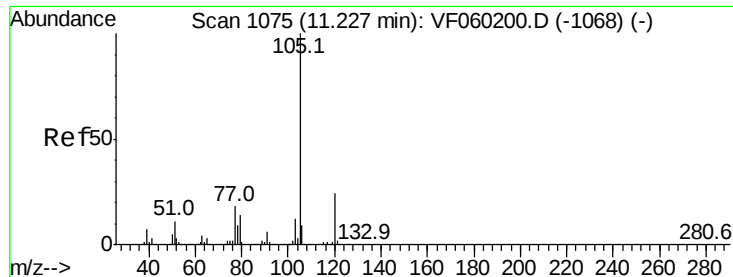
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.561 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

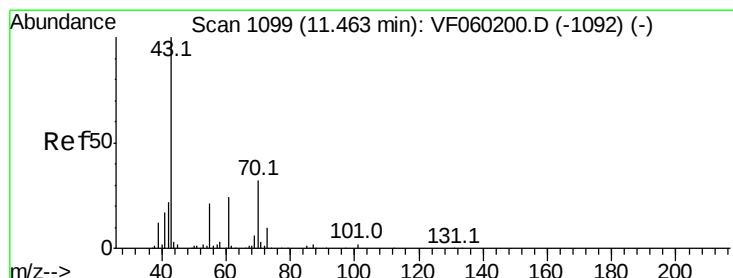
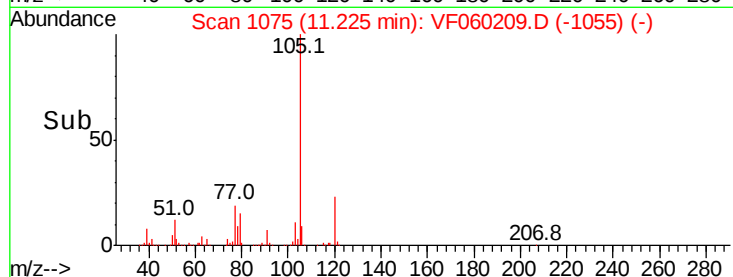
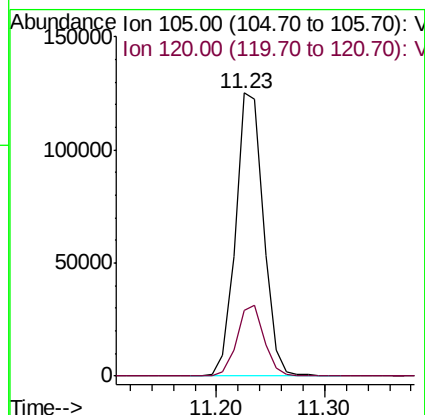
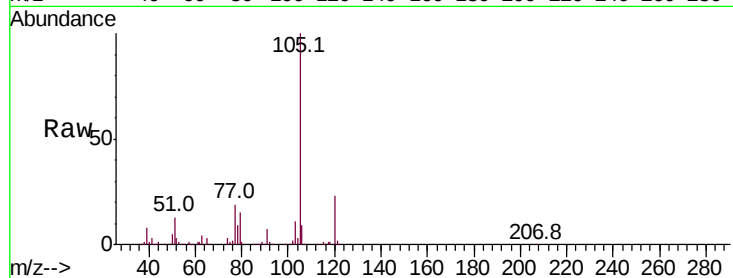
ClientSampled :

Tot Ion:105 Resp: 224555

Ion Ratio Lower Upper

105 100

120 23.3 11.8 35.3



#74

N-ethyl acetate

Concen: 25.525 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion: 43 Resp: 49859

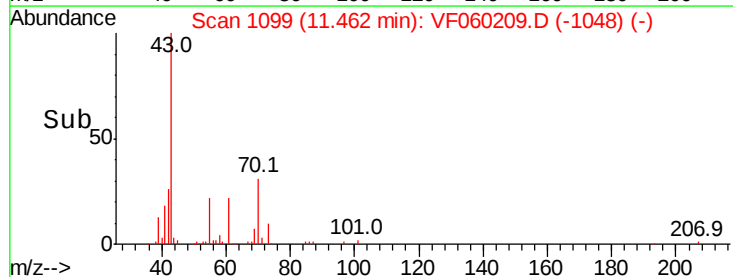
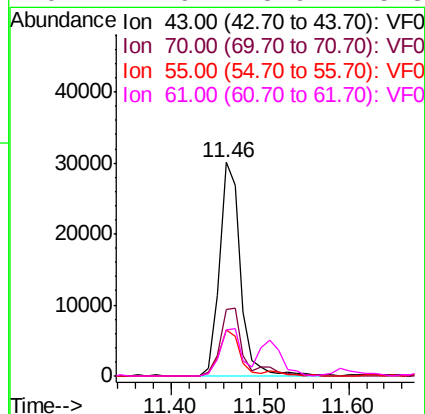
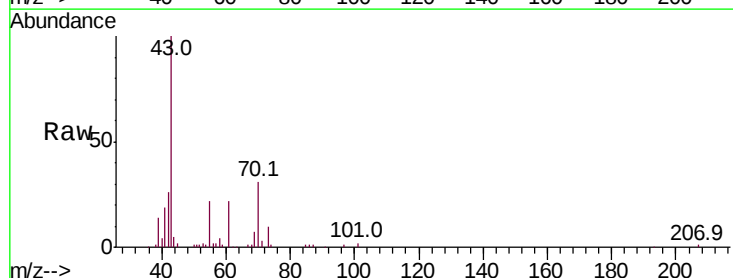
Ion Ratio Lower Upper

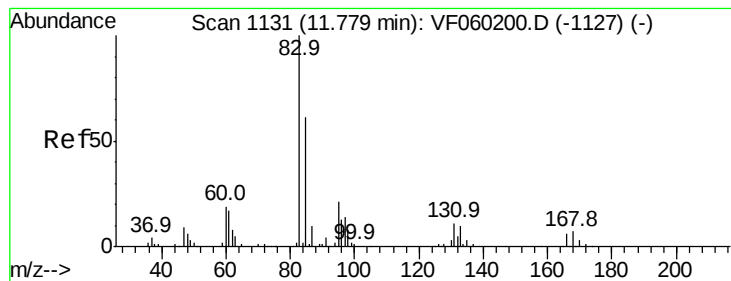
43 100

70 31.4 25.8 38.6

55 21.7 16.8 25.2

61 21.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 24.250 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

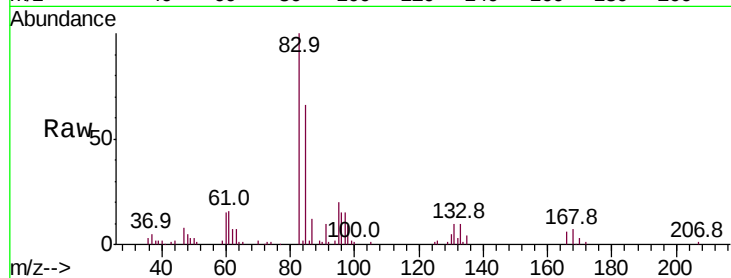
Tot Ion: 83 Resp: 39826

Ion Ratio Lower Upper

83 100

131 10.1 5.5 16.4

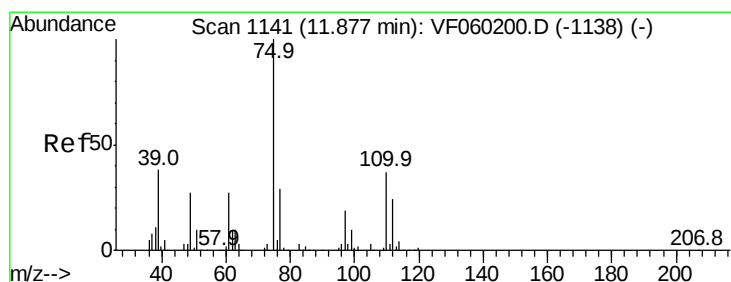
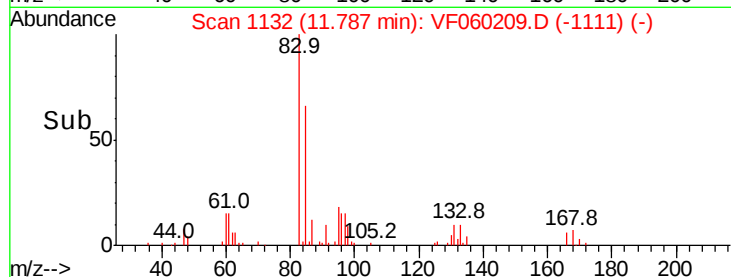
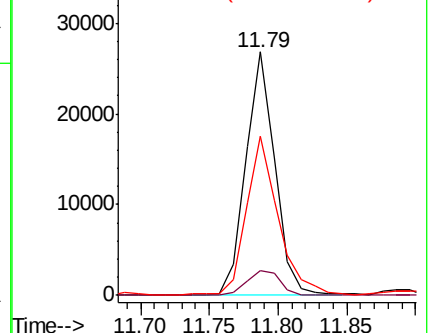
85 65.5 31.1 93.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.756 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060209.D

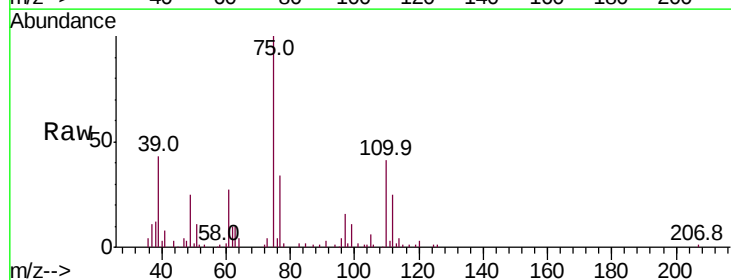
Acq: 7 Sep 2018 14:39

Tgt Ion: 75 Resp: 37864

Ion Ratio Lower Upper

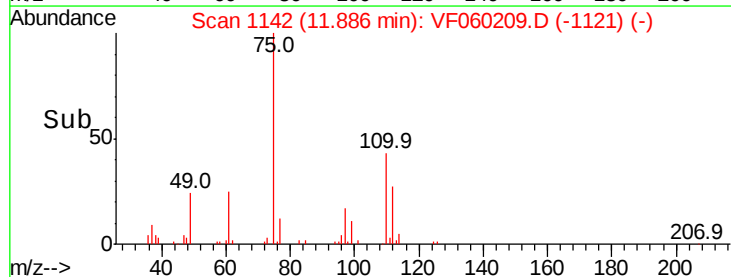
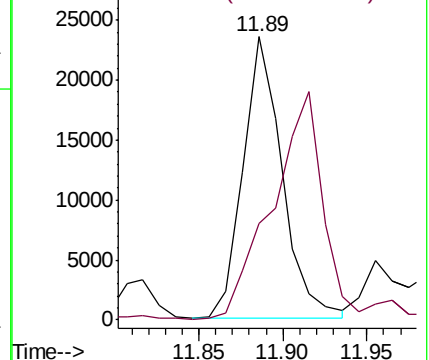
75 100

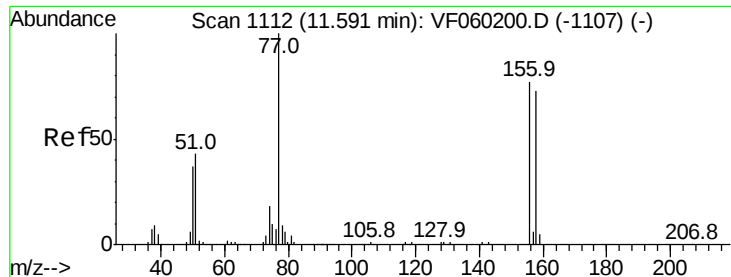
77 34.2 14.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.528 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

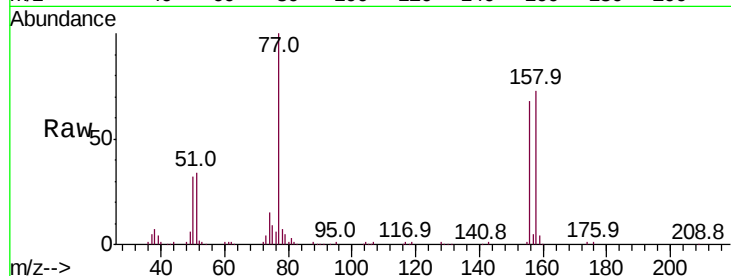
Tot Ion:156 Resp: 55851

Ion Ratio Lower Upper

156 100

77 147.3 64.8 194.3

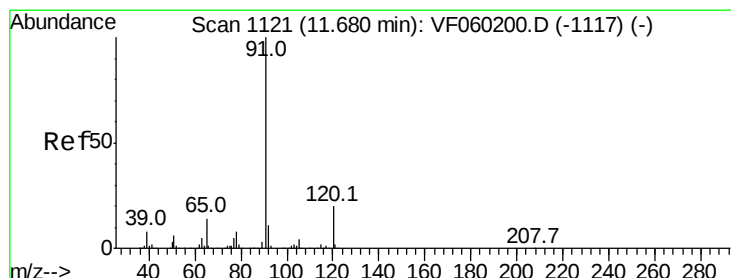
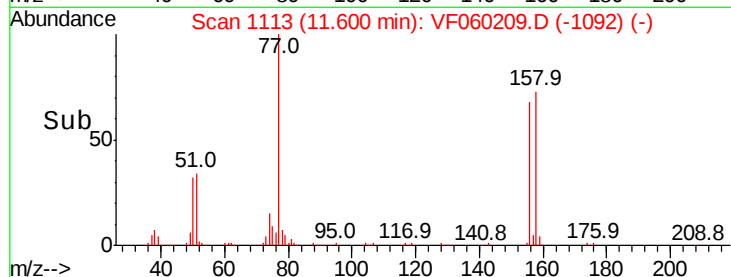
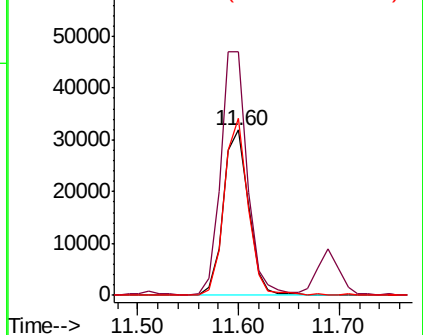
158 107.5 47.3 141.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.620 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060209.D

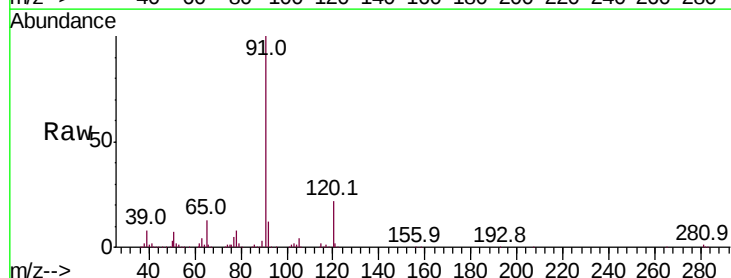
Acq: 7 Sep 2018 14:39

Tgt Ion: 91 Resp: 269849

Ion Ratio Lower Upper

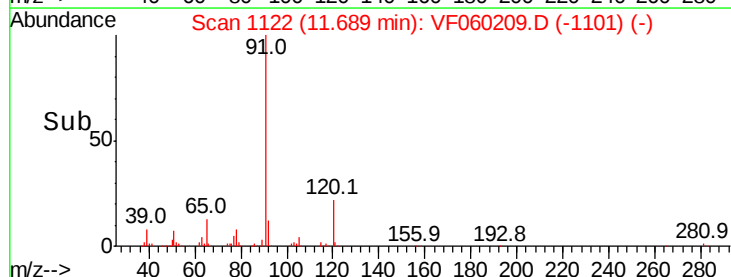
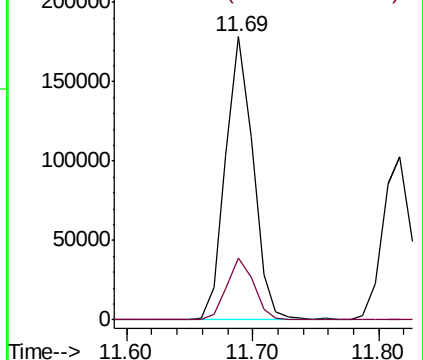
91 100

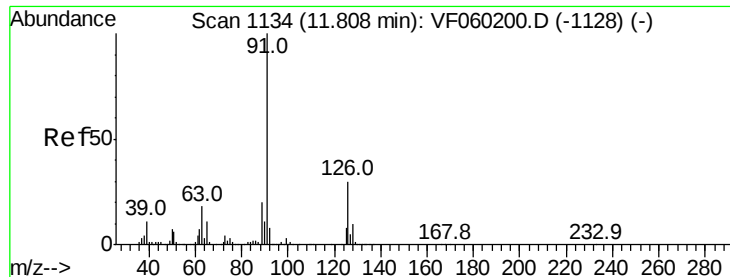
120 21.9 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.525 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

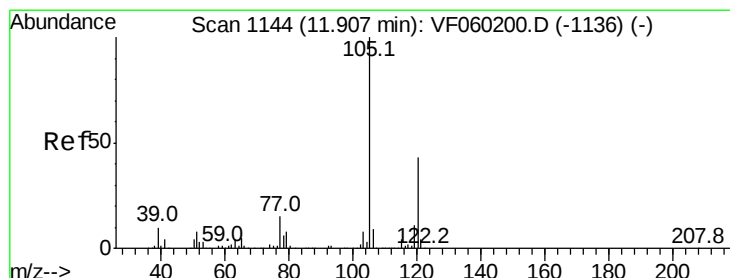
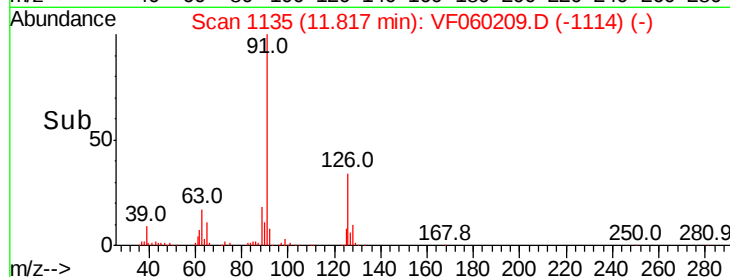
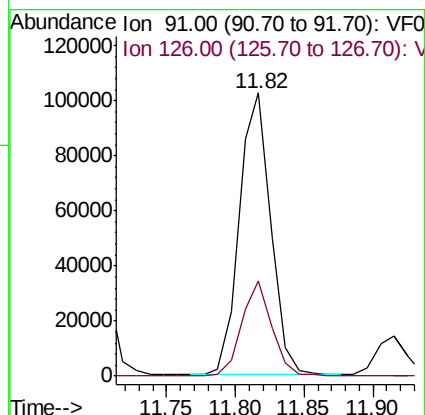
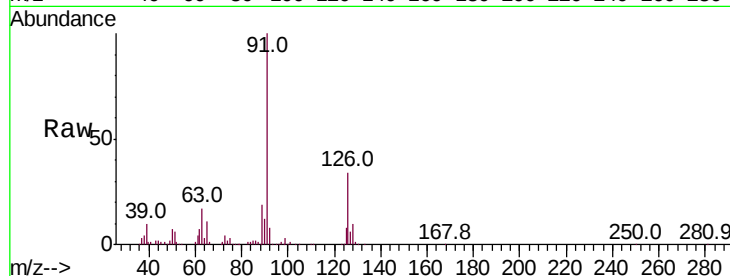
ClientSampleId :

Tot Ion: 91 Resp: 162280

Ion Ratio Lower Upper

91 100

126 33.6 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 20.503 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060209.D

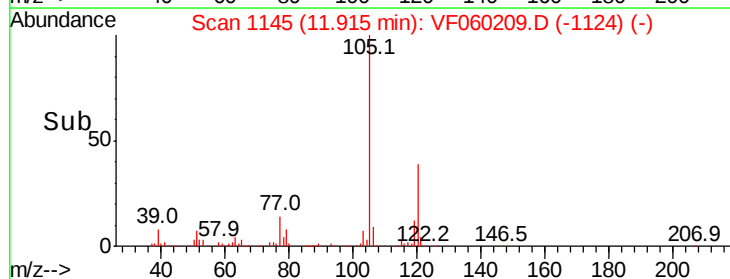
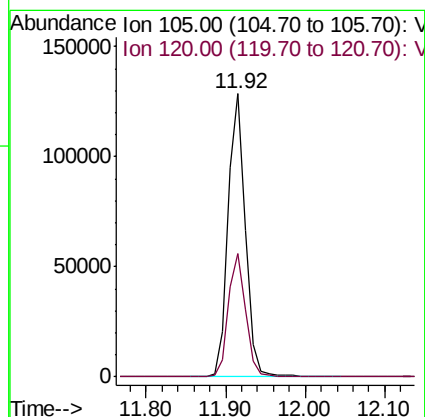
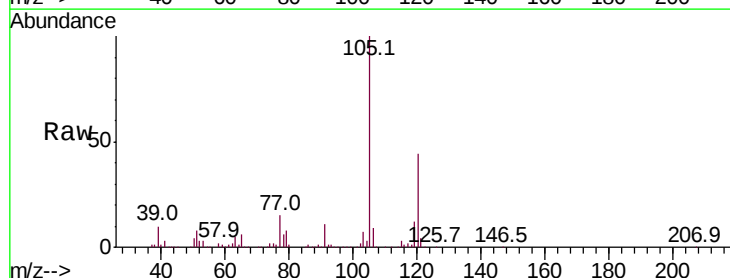
Acq: 7 Sep 2018 14:39

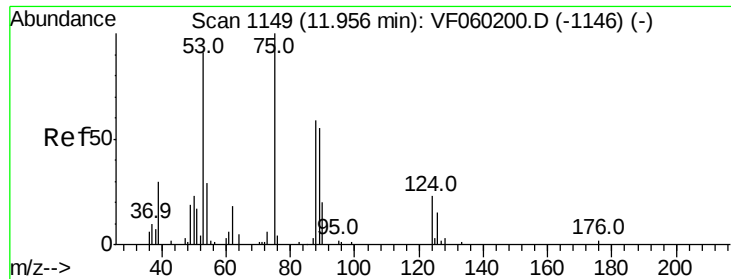
Tgt Ion:105 Resp: 197665

Ion Ratio Lower Upper

105 100

120 43.7 21.6 64.8

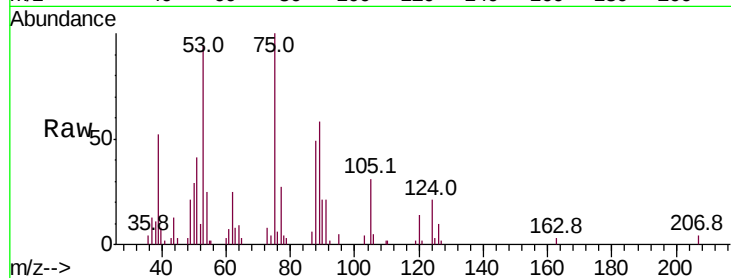




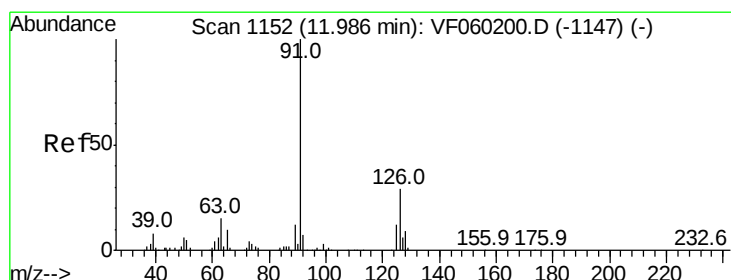
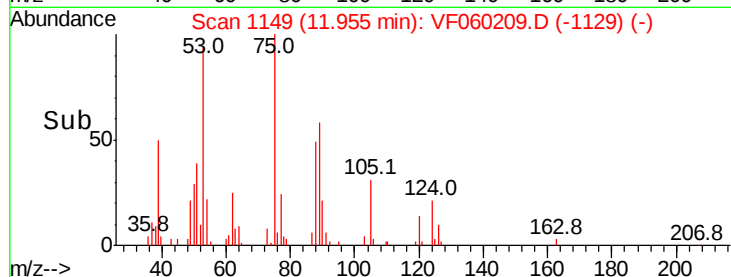
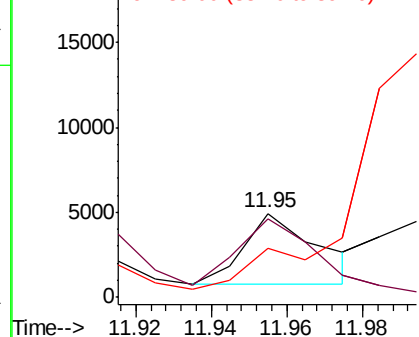
#81
trans-1,4-Dichloro-2-butene
Concen: 15.854 ug/l
RT: 11.95 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 5701
Ion Ratio Lower Upper
75 100
53 93.8 76.5 114.7
89 58.1 46.5 69.7

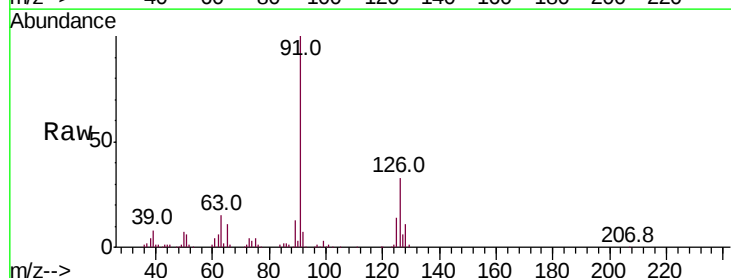


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

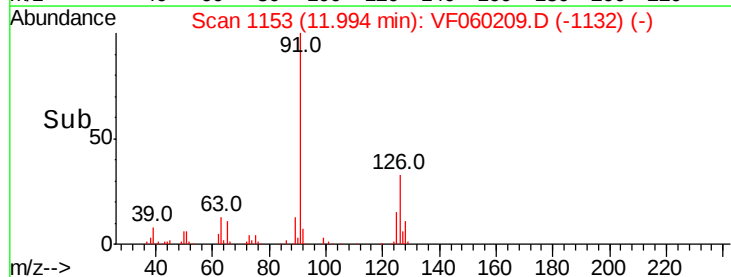
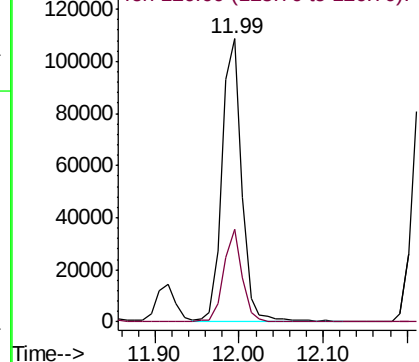


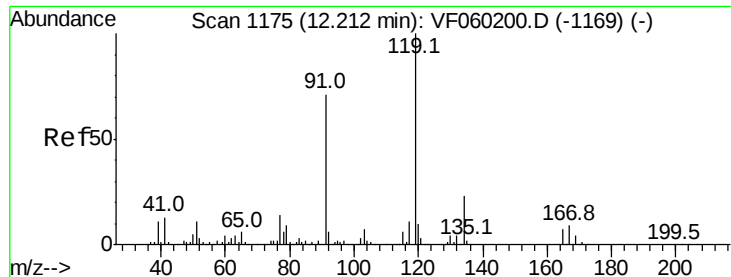
#82
4-Chlorotoluene
Concen: 19.976 ug/l
RT: 11.99 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 91 Resp: 175272
Ion Ratio Lower Upper
91 100
126 32.5 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

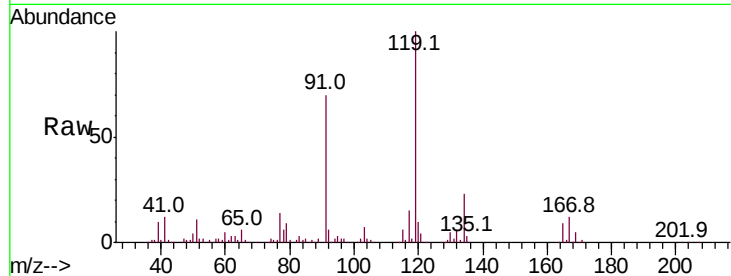




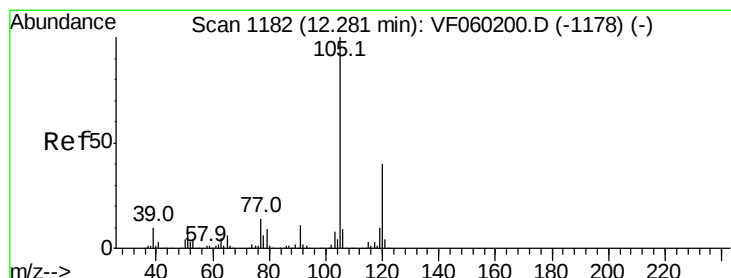
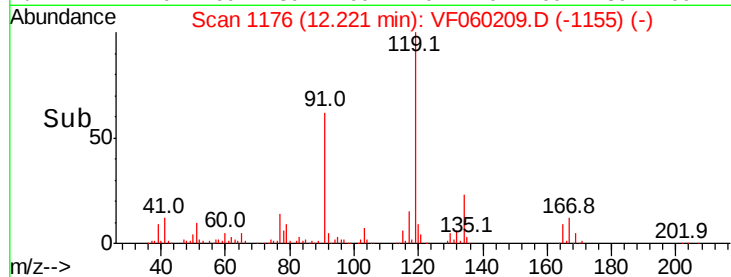
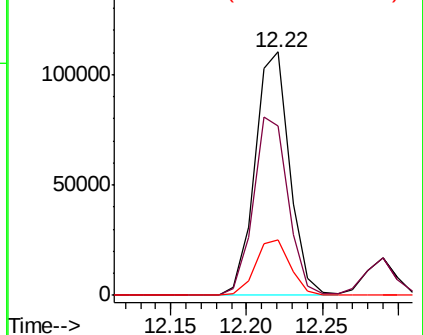
#83
tert-Butylbenzene
Concen: 20.125 ug/l
RT: 12.22 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:119 Resp: 176804
Ion Ratio Lower Upper
119 100
91 69.8 35.8 107.4
134 23.0 11.6 34.7

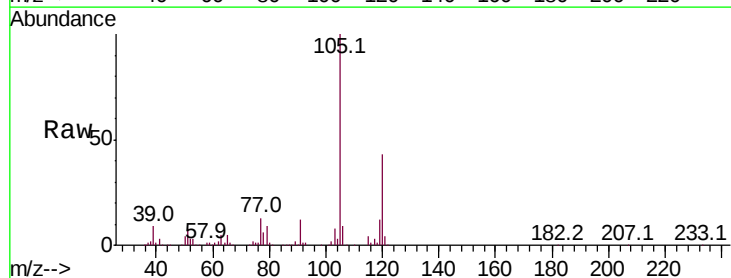


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

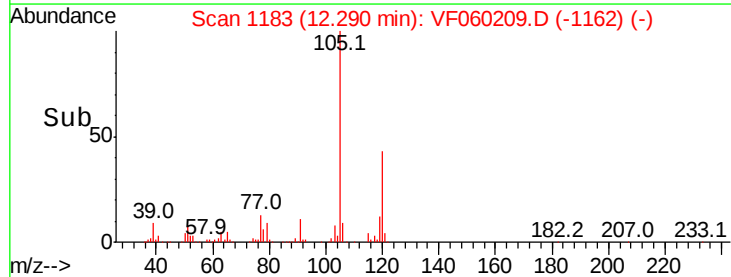
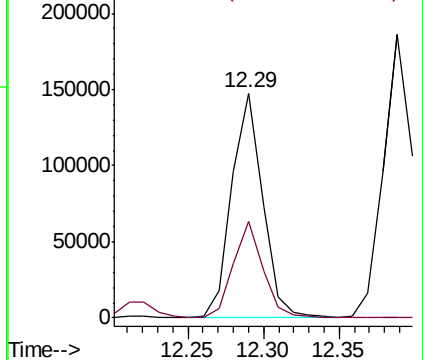


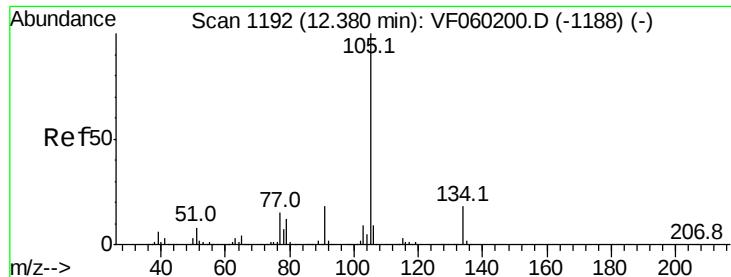
#84
1,2,4-Trimethylbenzene
Concen: 21.516 ug/l
RT: 12.29 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion:105 Resp: 210733
Ion Ratio Lower Upper
105 100
120 42.8 20.2 60.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.309 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

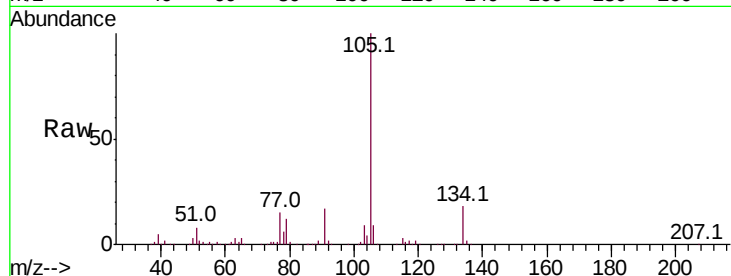
ClientSampleId :

Tot Ion:105 Resp: 258242

Ion Ratio Lower Upper

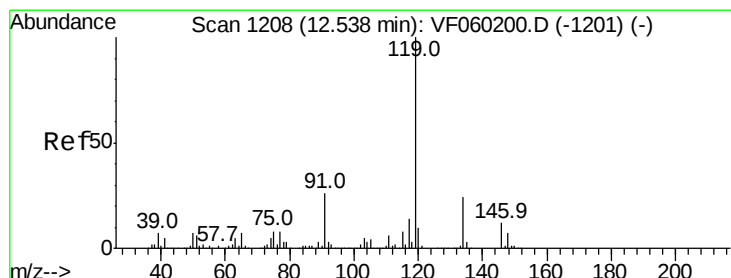
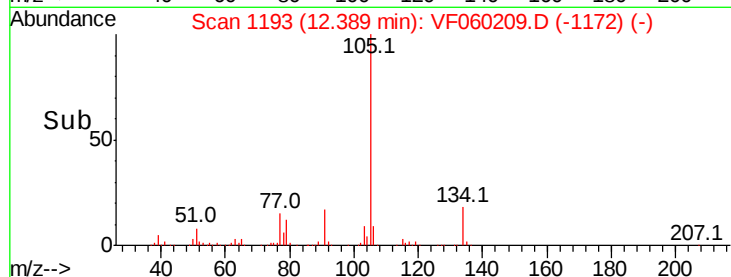
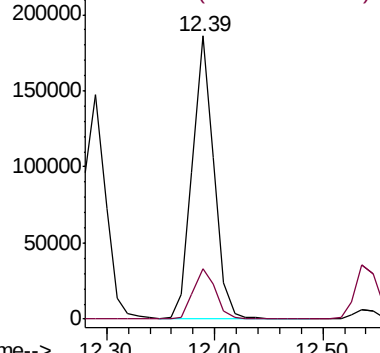
105 100

134 17.8 8.8 26.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.394 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

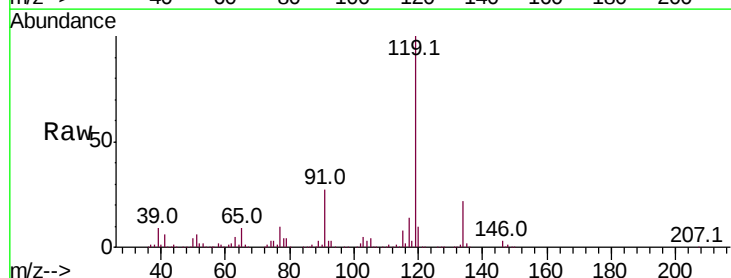
Tgt Ion:119 Resp: 230239

Ion Ratio Lower Upper

119 100

134 22.5 12.0 36.0

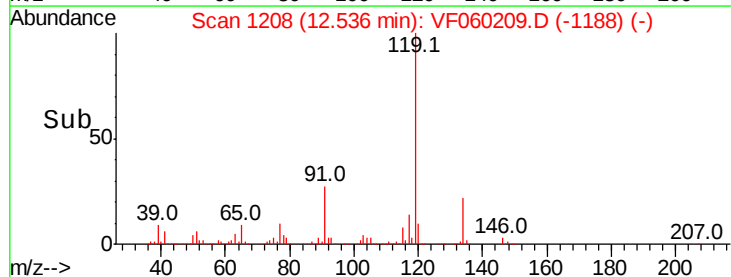
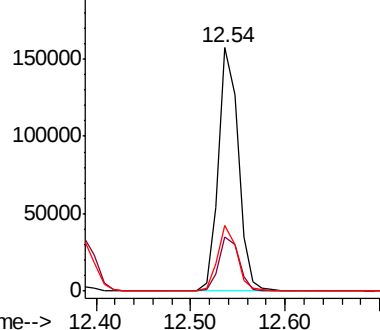
91 27.0 12.9 38.7

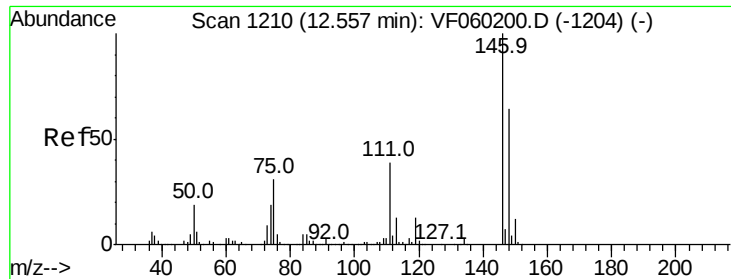


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

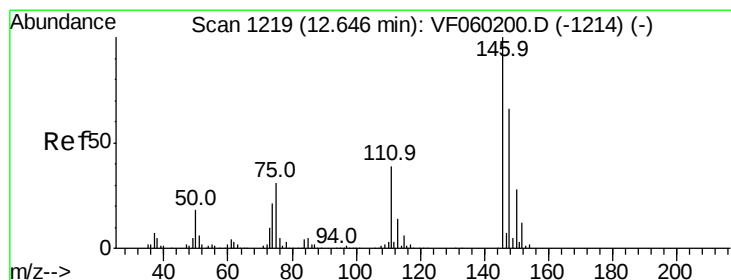
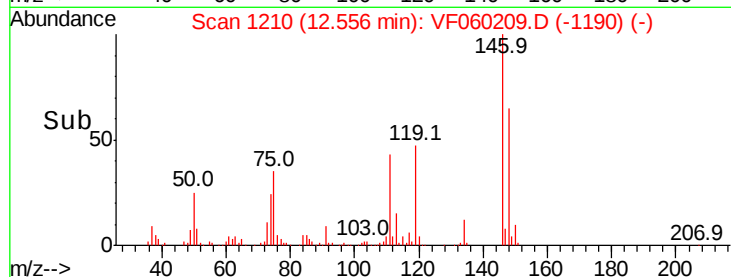
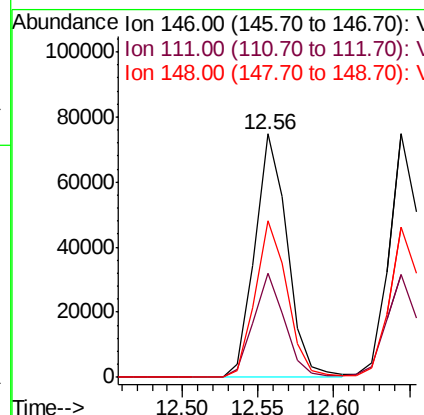
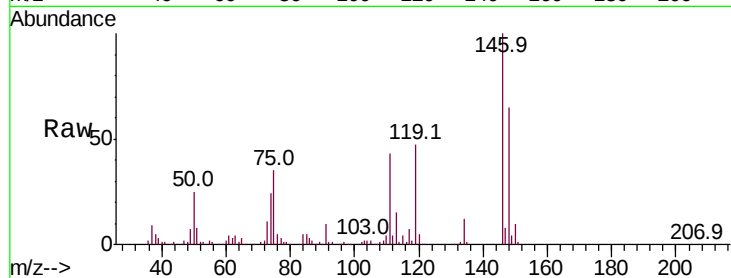




#87
 1,3-Dichlorobenzene
 Concen: 21.492 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

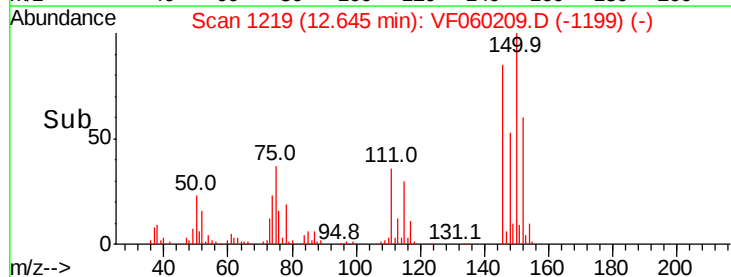
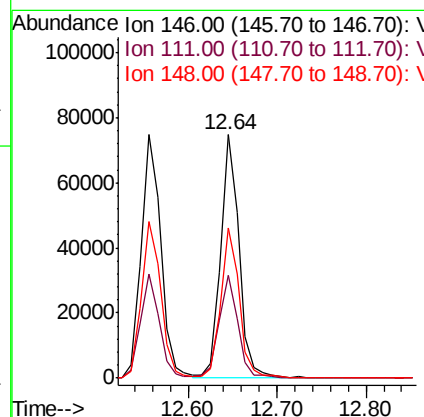
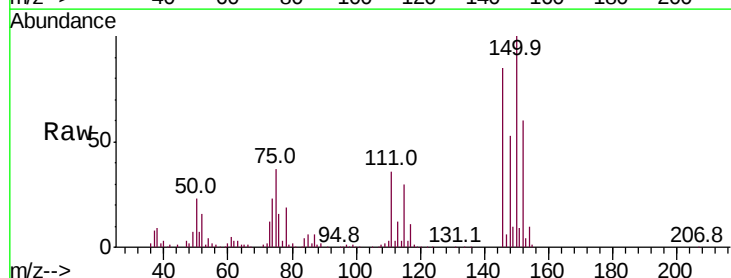
Instrument :
 MSVOA_F
 ClientSampleId :

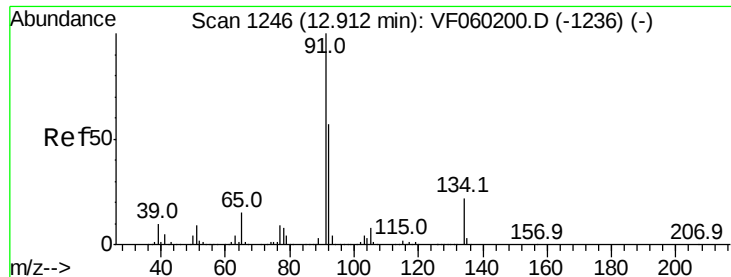
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.7	59.1
148	64.6	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 21.051 ug/l
 RT: 12.64 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.7	59.1
148	61.8	33.1	99.5

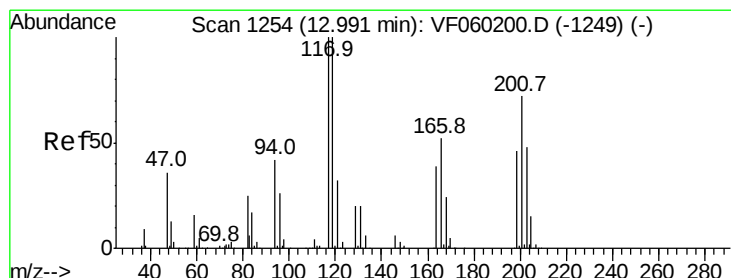
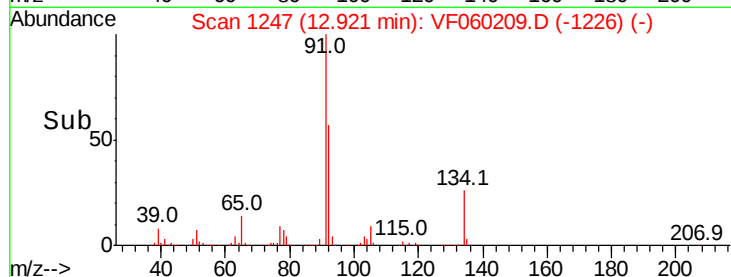
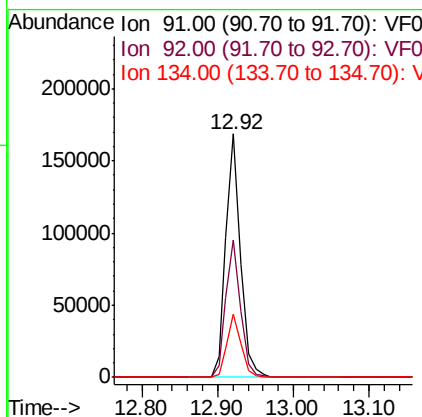
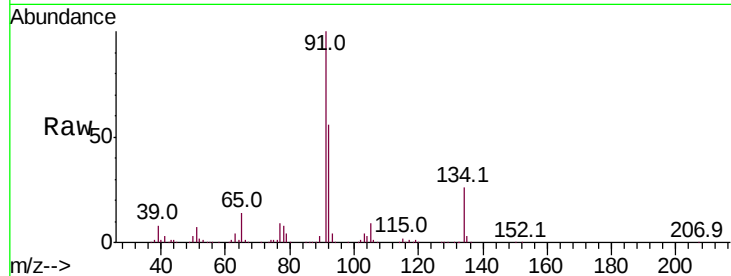




#89
n-Butylbenzene
Concen: 21.872 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

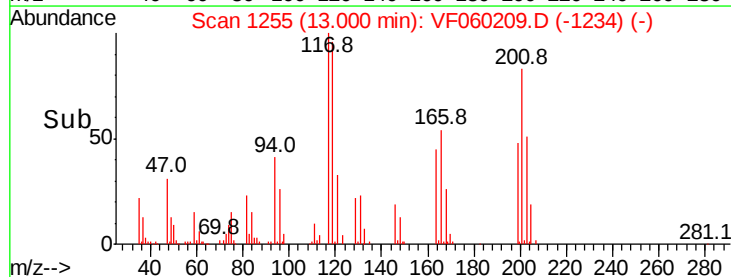
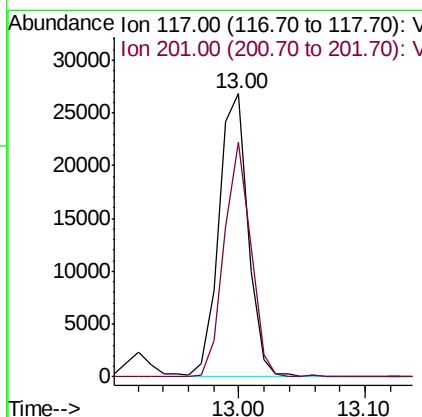
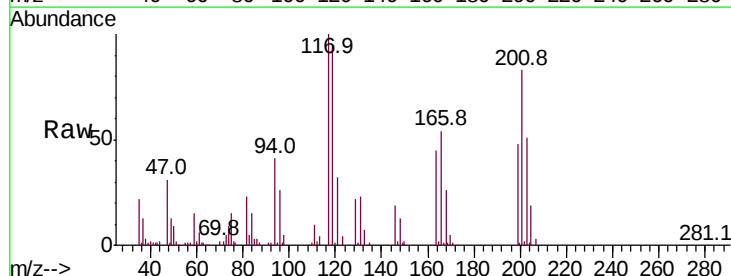
Instrument :
MSVOA_F
ClientSampled :

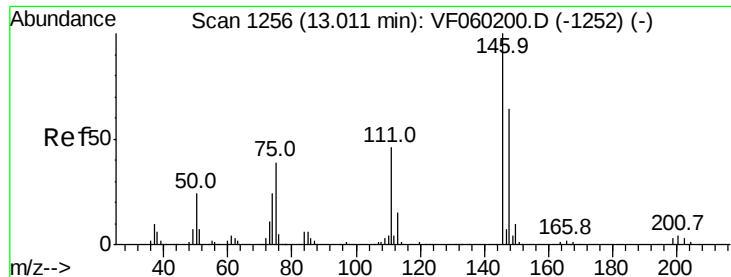
Tot Ion: 91 Resp: 227650
Ion Ratio Lower Upper
91 100
92 56.4 28.4 85.3
134 25.8 11.1 33.3



#90
Hexachloroethane
Concen: 19.739 ug/l
RT: 13.00 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 117 Resp: 43063
Ion Ratio Lower Upper
117 100
201 84.7 35.7 107.1





#91

1,2-Dichlorobenzene

Concen: 22.194 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

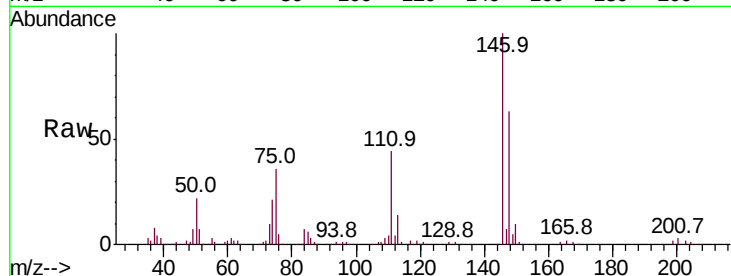
Tot Ion:146 Resp: 110126

Ion Ratio Lower Upper

146 100

111 44.2 23.0 69.0

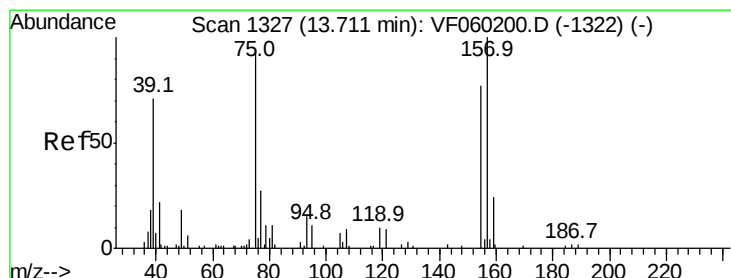
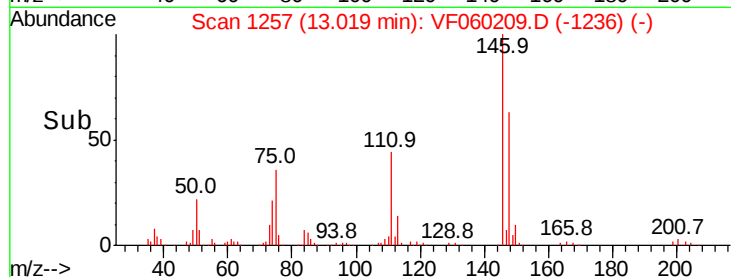
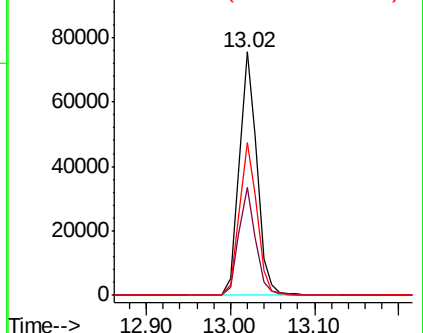
148 62.9 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.779 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

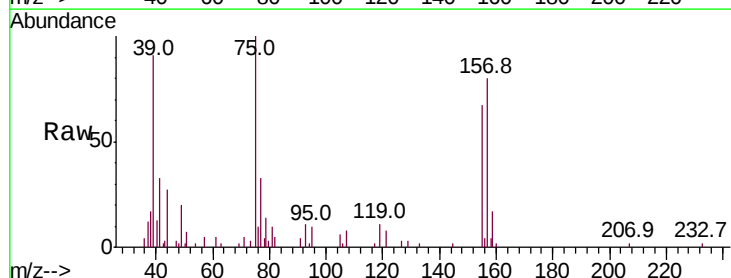
Tgt Ion: 75 Resp: 9546

Ion Ratio Lower Upper

75 100

155 66.7 40.8 122.5

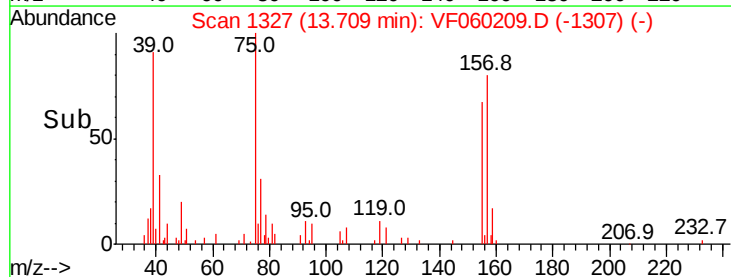
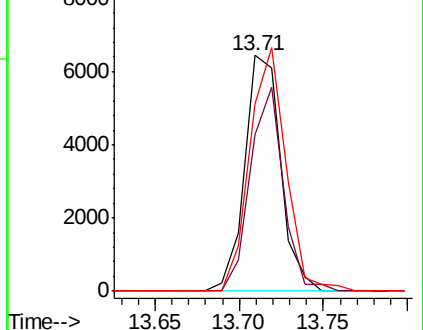
157 79.6 53.3 159.9

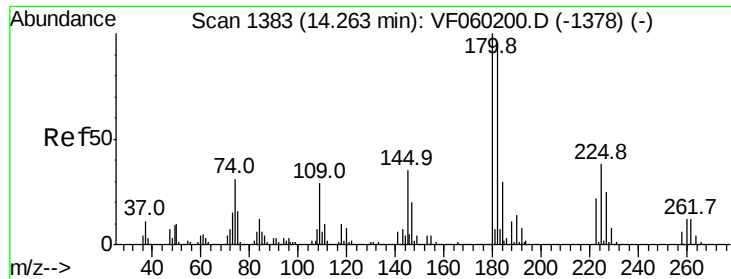


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

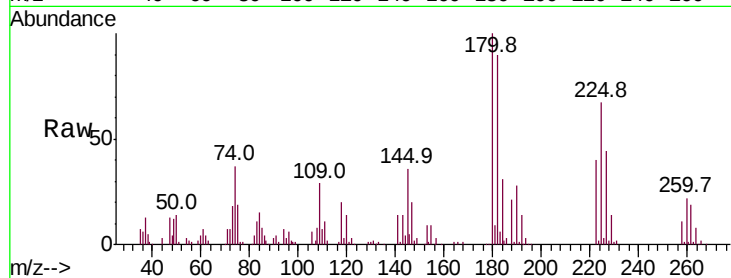




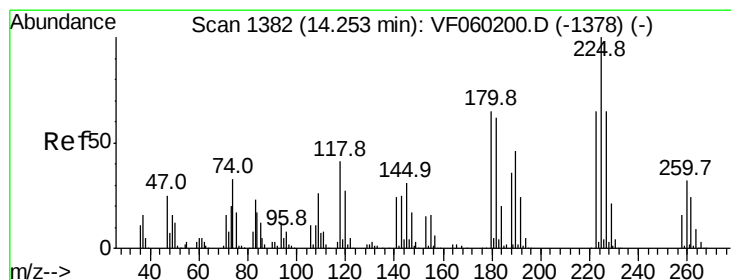
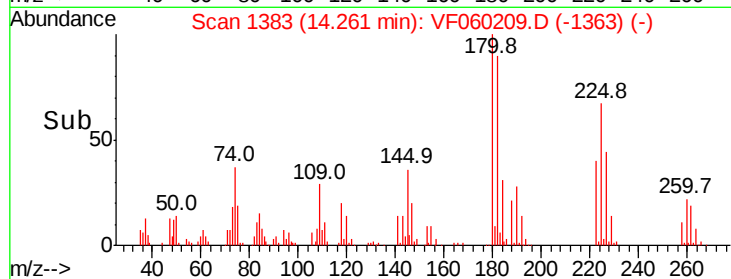
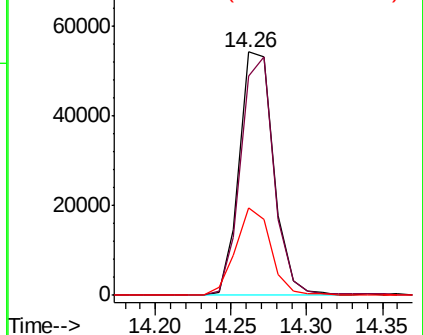
#93
 1,2,4-Trichlorobenzene
 Concen: 22.346 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 85696
 Ion Ratio Lower Upper
 180 100
 182 89.8 48.2 144.6
 145 36.0 17.4 52.2

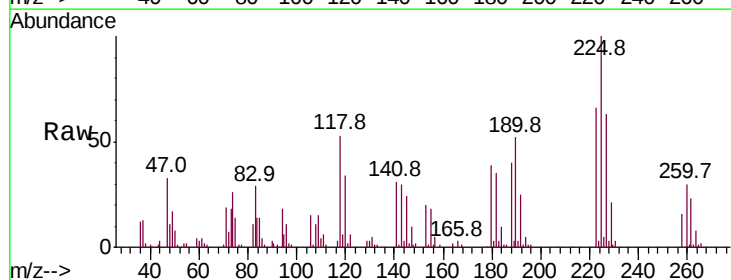


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

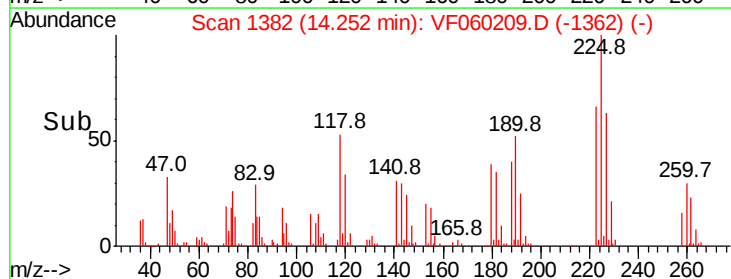
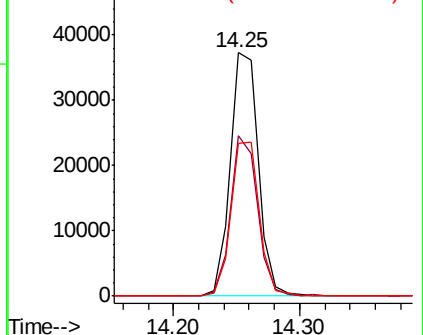


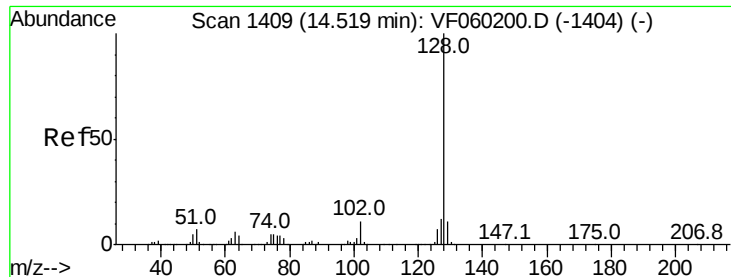
#94
 Hexachlorobutadiene
 Concen: 20.878 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion:225 Resp: 57063
 Ion Ratio Lower Upper
 225 100
 223 66.0 32.3 96.8
 227 62.5 32.4 97.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

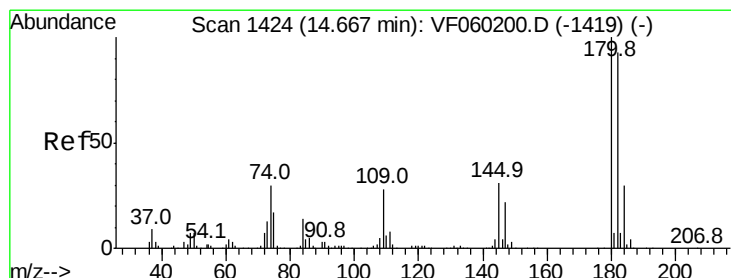
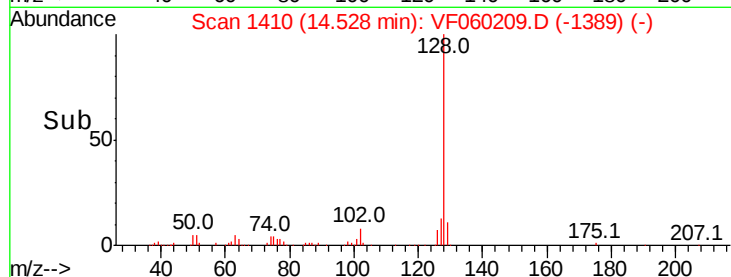
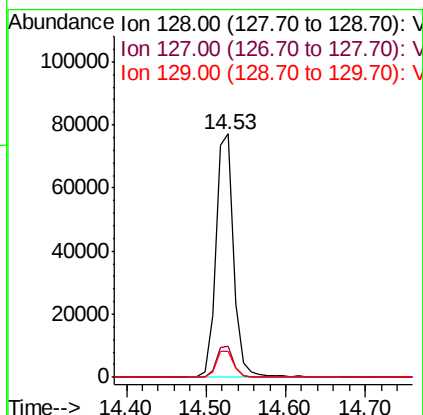
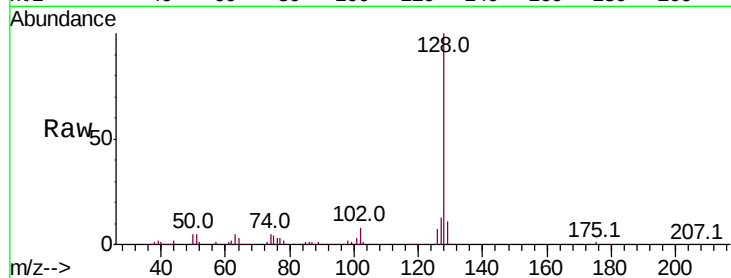




#95
Naphthalene
Concen: 21.925 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 122014
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 22.405 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion:180 Resp: 80645
Ion Ratio Lower Upper
180 100
182 93.3 46.6 139.7
145 34.4 15.7 47.0

